

BULLETIN

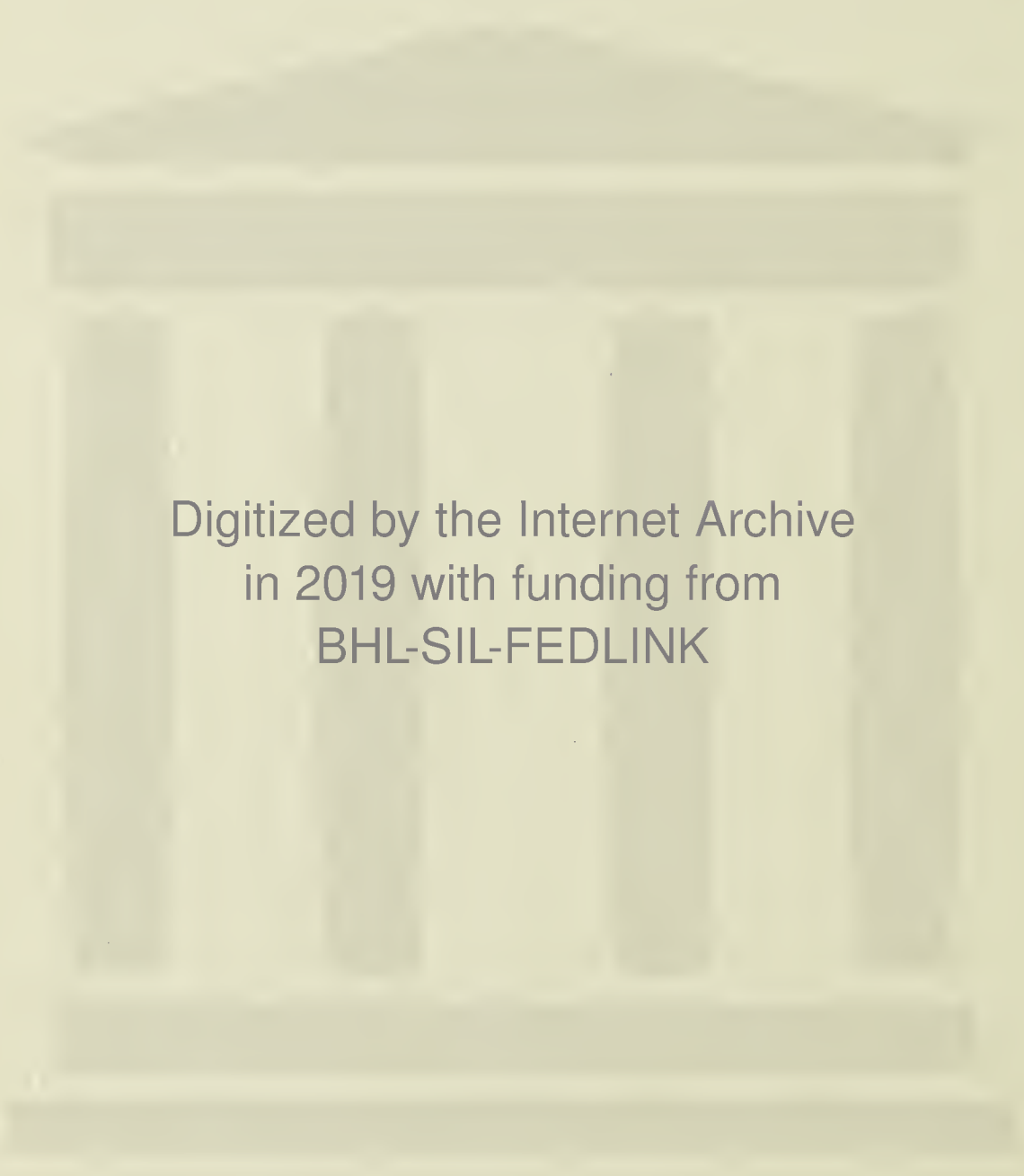
A *of the*
AMERICAN
IRIS SOCIETY

NO. 116
SUPPLEMENT

MEMBERSHIP LIST



JANUARY - 1950



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American Iris Society

Membership List

One of the advantages of belonging to any of the separate plant societies lies in the fact that you have an introduction to other people with an interest similar to yours. Thus in the pages that follow you will find the names of more than 4,000 of the most enthusiastic iris growers in America, as well as several hundred in England, Australia, New Zealand, South Africa and other foreign places.

For convenience the members in each state and country are listed separately, in alphabetical order. The local address and Post Office follow each name, but the state or country name is not repeated, since it heads the list. Sustaining and Life members are indicated by the appropriate words, “(Sustaining)” or “(Life),” following the name.

The list was corrected through December 1, 1949. Since it is almost impossible to avoid all errors in a work of this sort, Bulletin editors request that you check your own name and address; if there is an error or omission, please advise the Secretary so that correction may be made.

GARDENS OPEN

Many AIS members open their gardens to fellow members during the iris season—a friendly gesture that usually results in additional enjoyment of the flowers as they are shared with others. Members who have notified the Bulletin that their plantings are customarily open are indicated with an asterisk (*). In some cases a date or dates may be added to indicate the usual time of peak bloom or the period during which bloom is normally at its best. You will understand that bloom seasons vary with the weather. In event there is no date given for an open garden you may assume that it is open when the irises are in flower.

The open gardens will range from modest back yard plantings to elaborate estates (more of the former than the latter), and the editors hope that listings given here will encourage more people to see more irises than ever before.

It should be borne in mind that in addition to those members distinguished by an asterisk, many hundreds of others gladly

welcome visitors at iris time. Some of these too modestly claim that they have "nothing much to see"; others do not care to commit themselves definitely so far in advance of the season. A telephone call will usually reveal whether a particular garden is open.

BLOOMING DATES

For the benefit of several hundred fanciers who annually travel hundreds of miles viewing iris gardens, the Bulletin offers at the end of the membership list a table of "peak bloom" dates for tall bearded irises, as reported by growers in various parts of the country. Bear in mind that these are based on normal conditions and average seasons and are as subject to change as is the weather.

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Rt. 4, Cahaba Rd., Birmingham 9
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Rockford
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Mt. Valley Rt., Hot Springs
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Mulberry
KROPP, MR. H. MILTON
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Clarendon
LEAVITT, MRS. FRANK
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Des Arc

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 Emmet

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 3814 Country Club Dr., Long Beach 7
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 Berkeley
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 CHILDS, MR. R. H.
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 CLAYTON, MISS BEATRICE
 Rt. 1, Box 54, Suisun
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% Gretchen Tuthill
(Bird-in-Hand Gardens)
Carlsbad

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*FIELDING, MR. ROY W.
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GISH, MR. CHESTER W.
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GLENN GARDEN CLUB
% Miss Hazel Shuman, Sec.
Glenn

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GOSS, MRS. F. G.
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LEACH, MRS. O. W.
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Colfax

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8 E. Lake Dr., N. E., Atlanta
TARLETON, MR. JOHN J.
2727 N. Hills Dr., N. E., Atlanta
THOMAS, MRS. JOE
3856 The Prado, Ingleside, Macon
TOLLESON, MRS. T. E.
441 Langhorn, S. W., Atlanta
UNIVERSITY OF GEORGIA
General Library, Athens
WADDEY, MISS MARY
2856 Tupelo St., S. E., Atlanta
*WEST, MR. JOHN LEE
P. O. Box 154, Social Circle
WILLINGHAM, MRS. NINA P.
Columbus Rd., Rt. 2, Macon
WOLF, MRS. C. T.
133 Desoto Pl., Macon
WOOD, MR. WILLIAM T. (Sustaining)
564 Mulberry St., Macon
WOOD, MRS. WILLIAM (Sustaining)
"Merriewood" Overlook Ave., Macon

IDAHO

ANDERSON, MRS. A. L.
RFD 3, Nampa
BAIRD, MRS. EARL R.
Rt. 3, Caldwell
BARLOW, MRS. K. C.
304 N. Burton, Burley
BLAKESLEE, MISS A. M.
204 12th Ave., Rd., Nampa
BOSWORTH, MR. W. L.
Star Route, Preston
BRADFORD, MR. DONALD H.
Dayton
BRUMET, MRS. BLANCHE P.
Box 205, Filer
CELAYA, MRS. FELIX (Sustaining)
Box 672, Castleford
CLARK, MR. R. J.
P. O. Box 410, Caldwell
CLAYVILLE, MRS. MARGARET
Rt. 2, Burley
CONKLIN, MRS. CARL
Box 545, Twin Falls
CONNELLY, MRS. CHARLES R.
Rt. 2, N., Pocatello
CONRAD, MRS. ED
Rt. 2, Buhl
DENNIS, MRS. JACK
Box 152, Bellevue
DIERCKSEN, MRS. F. D.
Rt. 3, Buhl
FLATT, MRS. JOHN D.
1301 Fifth Ave., E., Twin Falls
FOX, MRS. W. C.
238 Davis Ave., Nampa
HARRIS, MRS. L. D.
1510 4th St., S., Nampa
HENDERSON, MRS. REX
Rt. 1, Gooding
HICKENLOOPER, MRS. J. C. (Sustaining)
170 S. 1st E., Preston
HOFF, MRS. HARVEY O.
2013 S. 10th, Caldwell
IRIS GARDENERS CLUB
% Mrs. W. E. Smith, Pres.
Box 946, Caldwell
JENSEN, MR. ROBERT L.
Box 476, Montpelier
JONES, MRS. LEON C.
1824 Everett, Caldwell
JONES, MRS. O. T.
Box 184, Arco
KRAMER, MRS. ALFRED
Rt. 2, Buhl
KRENGEL, MRS. HELEN P.
202 10th Ave., E., Twin Falls
KUDLAC, MRS. GUS
Castleford
LATTIG, MR. R. V.
1209 N. 11th St., Rt. 3, Box 134,
Coeur D'Alene
McKISSICK, MRS. JOHN
Rt. 2, Twin Falls
McPHERRON, MISS MARY D.
Box 252, Buhl
*MAHER, MRS. JAMES (Sustaining)
Box 43, Nampa (May 5-25)
MARTIN, MRS. CLAIR I.
1910 Cleveland Blvd., Caldwell
MATTHEWS, MISS ELSIE L.
Rt. 1, Caldwell
MERRITT, MRS. BERT
Rt. 2, N., Pocatello
MEYERS, MRS. MARGARET (Sustaining)
Rt. 1, Buhl
MORRIS, MR. JAMES
RFD 1, Boise
MURPHY, MRS. PAUL
1815 Fillmore St., Caldwell
NELSON, MRS. RALPH S.
906 Foster Ave., Coeur D'Alene

NIXON, MRS. W. J.
 Bonners Ferry
 PASLEY, MRS. R. C., SR.
 1604 Dearborn, Caldwell
 PATRICK, MRS. E. L.
 Rt. 3, Twin Falls
 *PATRICK, MRS. RUBY (Sustaining)
 Emmett
 PAYNE, MRS. HANLEY
 Box 492, Twin Falls
 PETRIE, MR. DAVID C.
 (Petrie Landscape Nurseries)
 RFD 2, Boise
 PIERCE, MRS. J. M.
 260 7th Ave., N., Twin Falls
 PURVIANCE, MRS. N. M.
 414 Main St., Lewiston
 RANDALL, MRS. CLARENCE
 1800 Schodde Ave., Burley
 RANDALL, MR. R. B.
 435 2nd Ave., N., Twin Falls
 RICKETTS, MRS. ESTELLE A.
 Jerome
 ROBERTSON, MRS. BESSIE IRENE
 RFD 1, Kimberly
 ROGERS, MR. C. E.
 RR 2, Meridian
 SCHROEDER, MR. ART
 Marine Rt., Coeur D'Alene
 SEAL, MRS. W. T.
 Box 782, Twin Falls
 SHAW, MRS. J. E.
 RFD 1, Emmett
 SMITH, MRS. D. SIDNEY
 Box 366, Shoshone
 SMITH, MRS. SIDNEY W. (Sustaining)
 RFD 2, Twin Falls
 SOUDERS, MRS. MERTIE
 1642 Kimes Ave., Twin Falls
 SPEEDY, MRS. THOMAS (Sustaining)
 459 Elm St., Twin Falls
 STACY, MR. MERLE O.
 606 Iowa, Boise
 STEEL, MR. A. A.
 Rt. 3, Parma
 *STONE, MRS. A. E.
 Payette (May 15-25)
 STUENENBERY, MRS. A. K.
 1903 Everett St., Caldwell
 *THARP, MRS. MARY F.
 445 N. 7th St., Payette
 THIETTEN, MRS. WILLIAM
 266 N. Elm St., Twin Falls
 THOMAS, MRS. WALTER
 RFD 3, Caldwell
 THOMASON, MRS. BEA
 Rt. 3, Jerome
 *THOMPSON, MRS. FRED M.
 2511 Regan, Boise
 THOMPSON, MR. MAURICE H.
 Box 86, Hazelton
 TWIN FALLS GARDEN CLUB
 1325 11th Ave., E., Twin Falls
 VALLETTE, MRS. C. W.
 Declo
 WALKER, MRS. ARTHUR N.
 RFD 2, Kimberly
 WINKLER, MRS. ESTER
 Council
 WINTERS, MRS. L. M.
 414 Fillmore St., Twin Falls
 WISECAVER, MRS. JOE
 Castleford
 WOHLAIB, MRS. WESLEY
 Rt. 3, Twin Falls

ILLINOIS

ANDERSON, MR. C. S.
 9322 Washington Ave., Brookfield
 MORTON ARBORETUM
 Lisle
 ASPINWALL, MISS LEE
 820 N. Lockwood Ave., Chicago 51

AUTEN, MR. CHARLES H.
 208 S. LaSalle St., Chicago
 BABSON, MRS. FRED K. (Sustaining)
 183 Addison Rd., Riverside
 BACH, MRS. LELIA M.
 1111 E. Grove St., Bloomington
 BANGHART, MR. ROBERT M. JR.
 % Morton Arboretum
 Lisle
 BANTZ, MRS. HERBERT
 1236 S. Lincoln, Park Ridge
 BARKER, MRS. P. D.
 2102 Elm Ave., Zion
 BARKLEY, MRS. SYLVIA H.
 Rt. 7, Paris
 BAUR, MRS. EDITH R.
 325 N. Austin Blvd., Chicago 44
 *BEACH, MR. GEORGE R., JR. (Sustaining)
 1000 Waukegan Rd., Lake Forest
 BELSLEY, MR. RAY J. (Sustaining)
 2417 Seventh Ave., Peoria 5
 BENDA, MR. F. J.
 211 Southcote Rd., Riverside
 BENESCHOEN GARDENS
 Richton Park
 BENNETT, MR. JAMES F. (Sustaining)
 205 10th St., Fulton
 BERGER, MR. JOSEPH C.
 1176 N. Cherry Ave., Chicago 22
 BLAKELY, MRS. GEORGE O. (Sustaining)
 Shooting Park Rd., Peru
 BLUHM, MR. HAROLD J.
 400 S. Blackstone, LaGrange
 BOEHLAND, MR. G. J.
 Corey's Bluff, Rockford
 BOISACQ, MR. R. J.
 Box 82, Glenview
 BOLLENBACHER, MR. G. L.
 Half Day Rd., RFD 1, Deerfield
 BOND, MR. ELMER E.
 140 Lincoln St., Westmont
 BOND, MR. FRED E.
 200 S. 17th Ave., Maywood
 BOTTS, MR. JOSEPH M.
 611 Villa St., Elgin
 BOTTS, MR. WILLIAM
 933 Wheeler St., Woodstock
 BRANCH, DR. C. E. (Sustaining)
 Piper City
 BRINKMAN, MRS. W. H. (Sustaining)
 7820 Kolmar Ave., Skokie
 BROWN, MRS. GRANGER
 359 E. Scott St., Lake Forest
 *BUNEAUX, MR. JOHN A. (Sustaining)
 8331 Constance Ave., Chicago 17
 (June 3-10)
 BURKE, MRS. LOLA E. (Sustaining)
 408 E. High St., Urbana
 BUTTON, MR. WALTER D. (Sustaining)
 14501 St. Louis Ave., Midlothian
 BUZZARD, DR. ROBERT G. (Sustaining)
 Eastern Illinois State College
 Office of the President, Charleston
 CALDWELL, MR. C. W.
 203 E. Hickory St., Lombard
 CARSE, DR. JULIA D.
 510 Rock Island Bank Bldg., Rock
 Island
 CHAMPAYNE, MRS. ROY
 419 N. Gardiner, Rockford
 CHARLES, BRO. S. V. D.
 Mission Gardens, Techny
 CHRISTIAN, MR. FRANK S. (Sustaining)
 Box 216, Villa Park
 CHRISTMAN, MR. W. F.
 American Peony Society, Sec.
 Northbrook
 CLAAR, MR. ELMER A.
 617 Thornwood Ln., Northfield
 CLARK, MR. E. L.
 619 Emerson St., Evanston
 CLARK, MR. ROBERT K., JR.
 633 N. Genessee St., Waukegan

CLUTTON, MRS. FRED H. (Sustaining)
589 Kimball Rd., Highland Park
COMSTOCK, MR. R. J.
RR 1, St. Charles
COOK, DR. FRANKLIN (Sustaining)
2747 Hurd Ave., Evanston
COOK, MR. ROY JAY
2131 Orrington Ave., Evanston
COWAN, MR. GEORGE J. (Sustaining)
1446 Touhy Ave., Chicago
*COX, MRS. CLYDE
2330 Illinois Ave., Eldorado
DANFORTH, MRS. H. W. (Sustaining)
Danforth
DENNIS, MR. H. N.
RR 1, Grant Park
DETWEILER, MRS. RALPH
1628 S. 13th Ave., Maywood
DICKTER, MR. IRVING A.
2416 Morse Ave., Chicago 45
DODSON, MR. L. A.
Godfrey
DONAHUE, MR. GERALD J.
134 S. Cuyler Ave., Oak Park
DUENOW, MRS. GEORGE C.
436 Oak Grove Ave., South Beloit
EDISEN, MRS. ELSIE
Rt. 2, Box 371 I. B., Wheaton
*ESPING, MISS SELMA E. (Sustaining)
520 South St., Geneva
ESSLEY, MR. E. P. (Sustaining)
635 S. Park Ave., Hinsdale
FARISH, MRS. C. H.
% Col. C. H. Farish
Hqs. Air Command, Scott AFB
*FAUGHT, MISS EVA E.
809 W. Main, Carbondale
FAY, MR. ORVILLE W.
1522 Isabella St., Wilmette
FISCHER, MR. HUBERT A. (Sustaining)
(Meadow Gardens)
Rt. 2, 63rd St., Hinsdale
*FLANAGAN, MRS. JOSEPH
517 Prairie St., Paris
FLANAGAN, MISS SHELIA
705 Michigan, Urbana
FOSTER, MRS. GLENN
913 21st Ave., Rock Island
FRANCESCHINI, MRS. WILLIAM
Venice
FREY, MRS. ELIZABETH
915 21 Ave., Rock Island
FULLER, MRS. MABEL JOHNSON
236 Maplewood Rd., Riverside
FULLER, MRS. SPENCER S.
57 Long Common, Riverside
GADAU, MR. HARRY L. (Sustaining)
7879 Tripp Ave., Skokie
GARWOOD, MRS. H. E.
RFD 1, Stonington
GOODHUE, MR. & MRS. VERNER C.
1626 S. Oak Ave., Freeport
*GOODMAN, MR. RICHARD (Sustaining)
253 Bloomingbank Rd., Riverside
(May 29-June 10)
GRAY, MR. WILLIAM HEAD
7217 Division St., River Forest
GREEN, MISS GEORGANA
710 Ten Broeck St., Paris
GREER, MR. THEODORE R.
Rt. 1, Box 13, Joy
HAGBERG, MRS. T. W.
211 N. Grant St., Westmont
*HAHN, MRS. LINDSAY R.
(Hahn's Iris Garden)
2617 S. 11th St., Springfield
(May 7-June 5)
HALL, MRS. C. GLENN
Box 163, Westfield
HALL, MR. DAVID F. (Sustaining)
809 Central Ave., Wilmette
HALL, MRS. DAVID F. (Sustaining)
809 Central Ave., Wilmette

HARRELL, MRS. MILDRED H. (Sustaining)
1107 Liberty St., Aurora
HARZA, MRS. LEROY F.
2299 Pierce Rd., Highland Park
HAUPT, MR. RICHARD J.
RFD 1, Crystal Lake
HAWKINS, MR. ELMER C.
1176 Riverside Ave., Decatur
HAWLEY, MR. JOS. B. (Sustaining)
7729 Cregier Ave., Chicago 49
HENSON, MISS JEANNE
RR 4, Paris
HINCHCLIFF, MRS. H. E.
Rt. 2, Carbondale
HINKLE, MRS. WILLIAM J.
1204 N. State St., Marion
HITE, MRS. MARION G.
RFD 2, Box 213, Chillicothe
*HODSON, MR. E. L.
470 Greenfield Ave., Glen Ellyn
HOLMES, MISS HARRIET F. (Life)
S. Batavia Rd., Batavia
HORN, MR. C. A.
1743 Wesley Ave., Evanston
*HUBBARD, MR. G. E.
520 N. 5th St., De Kalb
(May 25-June 5)
JACKSON, MRS. LUTHER
The Elms, Carthage
JEFFRIES, MRS. C. T.
Giant City Rd., Carbondale
JOHNSON, MRS. BETTY
3305 Glenview Rd., Wilmette
JUNKER, MR. MARTIN
1218 N. Church St., Belleville
KAHLERT, MISS HARRIET C.
1100 N. Dearborn St., Chicago 10
KAISER, MRS. W. G.
468 Hill Ave., Glen Ellyn
KAMP, MR. JAMES R.
Floriculture Bldg., University
Urbana
KEITH, MR. GRANVILLE S.
912 W. Springfield, Champaign
KELLY, MRS. JOHN P.
Box 262, Piper City
KEMBER, MRS. D. W.
Rt. 1, Serena
KIENAST, MRS. R. H. (Sustaining)
519 Prairie St., Paris
KINDELL, MR. SHERMAN A.
1900 S. 18th, Maywood
KLEIN, MRS. O. D.
18118 Roy St., Lansing
KNOTTS, MRS. RAYMOND
3139 Kenilworth Ave., Berwyn
*KNOX, MR. ARTHUR H.
1725 Orrington Ave., Evanston
(June 1-10)
KNUDSON, MRS. T. J.
RR 6, Springfield
KOELLNER, MISS ELSIE
4912 N. Kostner Ave., Chicago 30
KOHOUT, MR. JERRE (Sustaining)
3026 Maple Ave., Berwyn
KRAFT, MRS. NORMAN
Pfingsten Rd., Northbrook
LANGHAMMER, MRS. C. H.
814 S. Fourth St., Aurora
*LAPINS, MRS. W. J.
153 Chandler Ave., Elmhurst
LARSON, MR. JOHN
Maroa
LaVALLE, MR. BERNARD M.
RFD 2, Urbana
*LEEMHUIS, MR. T. H.
(Imperial Iris Gardens)
Cornell (May 25-June 5)
LEIDE, MRS. CHARLOTTE
Matteson
LILLY, MR. EVERETT E.
265 S. Westlawn, Decatur 45

LINDNER, MR. ROBERT R. (Sustaining)
 481 Lincoln Ave., Calumet City
 LUCY, MR. CHARLES J.
 133 S. 17th Ave., Maywood
 LUDLAM, MR. MERLIN V. (Sustaining)
 Waynesville
 MACKOTKA, MR. WILLIAM V.
 55th St. near 9th Ave., LaGrange
 MADDEN, MR. CHARLES J.
 Rt. 1, Box 46 C, West Chicago
 MALESKE, MR. A. J.
 2917 Farrell St., Chicago 8
 MARBERRY, MR. WILLIAM M.
 509 W. Mill St., Carbondale
 MARSCHNER, DR. ROBERT F.
 18427 Stewart Ave., Homewood
 MARSHALL, MRS. ELLEN
 Serena
 MARSHALL, MRS. H. T.
 Serena
 MARTIN, MR. HOWARD S.
 1916-1920 Greenleaf St., Evanston
 MEDIN, MR. CHARLES B.
 126 N. Lincoln St., Lombard
 MIKESH, MR. WALTER
 Box 37, Godfrey
 MILLER, MR. WILLIAM W.
 Box 106, Barrington
 MINGUS, MR. RALPH C.
 2322 W. 107th St., Chicago 43
 *MOON, MR. M. A.
 Colchester
 MOORE, MR. H. N.
 Elvaston
 MOORE, MRS. JOHN BEVERLY
 520 N. Main St., Benton
 MORROW, MR. H. W.
 145 S. East Ave., Oak Park
 MULL, MRS. HARRY J.
 452 Taylor Ave., Glen Ellyn
 MUNK, MR. H. J. (Sustaining)
 7717 Cregier Ave., Chicago 49
 MUNSON, DR. GRACE
 Rt. 2, Box 159, Mundelein
 MURAWSKA, MR. A. L.
 (River Drive Peony Garden)
 8740 Ridge St., River Grove
 MURPHY, MRS. ALLEN
 837 W. Horsman St., Rockford
 NELSON, MRS. A. C.
 1403 Knoxville Ave., Peoria 4
 NICHOLS, MRS. S. E.
 204 W. Main, Lebanon
 NORDBERG, MRS. BROR
 1731 Linneman St., Glenview
 O'DEA, MR. ROBERT E.
 689 Delta Rd., Highland Park
 *OLLMANN, MRS. L. W. (Sustaining)
 2330 Oak Park Ave., Berwyn
 OLSON, MRS. C. T.
 1205 N. Ridgeland Ave., Oak Park
 OTWELL, MRS. W. B.
 RR 2, Carlinville
 PAGE, MRS. JOHN
 831 Madison St., Evanston
 PANNELL, MR. MEARLE J.
 183 Maple Ave., Elmhurst
 PARKS, MRS. F. C.
 Minonk
 PATSCH, MRS. LILLIAN
 921 21st Ave., Rock Island
 PAYNE, MR. RICHARD
 RFD 2, Mt. Vernon
 PEDDICORD, MRS. IRENE
 Cisne, Wayne Co.
 PELC, MRS. HARRY L.
 504 S. Summit, Villa Park
 PHARHER, MRS. ANNE C.
 1522 Norwood St., Chicago 26
 PICKARD, MRS. JESSE L.
 308 W. Reed St., Benton
 PICKETT, MRS. JOHN D.
 303 Ravine Dr., Highland Park
 PUGLIESE, MRS. CHRISTABEL L.
 Apt. 204, 160 N. Menard Ave.,
 Chicago 44
 RAETH, MR. CHARLES H.
 8547 Wabash Ave., Chicago 19
 RAINEY, MR. FRED
 1233 Florence Ave., Galesburg
 RASSWEILER, MR. JOHN K.
 962 Maple Ave., Downers Grove
 RAUB, MR. W. L., JR.
 1025 Dinsmore Rd., Winnetka
 REH, MRS. F. O.
 RFD 2, Box 416, Belleville
 REISER, MR. WILLIAM G. (Sustaining)
 1235 Glenview Rd., Glenview
 RICHARDSON, MRS. AMOS (Sustaining)
 South Fork Farm, Edinburg
 *RIECH, MRS. TED.
 Rt. 5, Box 237, Springfield
 *ROBINSON, MISS MYRA
 RR 1, Kansas
 ROTHENBERG, MRS. SIDNEY (Sustaining)
 1930 Wenonah Ave., Berwyn
 ROVELSTAD, MR. ROBERT
 1100 Hill Ave., Elgin
 ROZANSKI, MR. PAUL
 520 S. Cherokee St., Taylorville
 *RUDOLPH, MR. NATHAN H. (Sustaining)
 405 Lakelawn Blvd., Aurora
 (May 25-June 5)
 RUSSELL, MR. T. C.
 340 W. Huron St., Chicago 10
 RYBA, MR. ADOLPH
 405 Prairie Ave., Elmhurst
 SCHAFER, MR. HERBERT S.
 Rt. 2, W. Glen Ave., Peoria
 SCHROEDER, MISS BARBARA (Sustaining)
 4650 Clarendon, Chicago 40
 SCHROEDER, MR. RALPH M. (Sustaining)
 Warrensburg
 SCHROEDER, DR. A. G.
 1619 Irving Park Rd., Chicago
 SCHULZE, MISS ANNA
 Deer Plain
 SCHWARTZ, MRS. WILLIAM
 931 Hickory St., Waukegan
 SCHWEINFURTH, MRS. RAY
 1817 Richview Rd., Mt. Vernon
 SEARS, MR. HOWARD O.
 Hebron
 SEATON, MR. H. L.
 3003 Thayer St., Evanston
 SEYMOUR, MRS. J. E.
 104 E. Joplin St., Benton
 SHAY, MRS. ARTHUR H.
 Rt. 4, Streator
 *SHEETS, MRS. R. F.
 127 Main St., Carthage
 SIBLEY, MR. L. C. (Sustaining)
 10 157th St., Calumet City
 SIMKINS, MR. L. E.
 224 S. Stone Ave., LaGrange
 SIR, MR. WALTER W.
 210 S. Finley Rd., Lombard
 SNELL, MRS. C. E.
 661 Bluff St., Glencoe
 *SRACHTA, MR. JOS (Sustaining)
 2828 S. Ridgeland, Berwyn
 SEEFELDT, MR. WILLIAM JR.
 Rt. 2, Trenton
 *SWANSON, MRS. TED
 Oak Lodge, Rt. 186, Seneca
 THOMAS, MRS. R. O.
 918 W. Union St., Marion
 THUE, MR. MARTIN J.
 2734 Gunnison Ave., Chicago 25
 TILDEN, MR. G. E. (Life)
 3336 S. Bell Ave., Chicago 8
 TORGERSON, MRS. LOU J.
 2315 Auburn St., Rockford
 VAN BUSKIRK, MR. M. G.
 Vanlore Acres, Rt. 1, Naperville
 VAN NAME, MR. R. L.
 Box 157, RFD 2, West Chicago

VAN SCHIAACK, MISS A. L. (Sustaining)
 Telegraph Rd., Deerfield
 VARNUM, MR. ALBERT
 4527 N. St. Louis Ave., Chicago
 VARNUM, MRS. E. E.
 1749 N. Humboldt Blvd., Chicago
 VASUMPAUR, MRS. GEORGE S.
 4138 Garden Ave., Western Springs
 VAUGHAN'S NURSERY
 4900 Wolf Rd., Western Springs
 VNOUCELS, MR. JOHN
 4147 W. Cullerton St., Chicago 23
 VOLLINTINE, MR. E. W.
 Grayton, Taylorville
 VONDRAS, MR. JERRY E.
 Box 263, 14915 Kildare Ave.,
 Midlothian
 WALKER, MRS. CLARA H.
 Rt. 3, Macomb
 WALLACE, MR. BRUCE J.
 3739 N. Albany Ave., Chicago 18
 WARREN, MRS. F. G.
 709 W. Walnut St., Carbondale
 WEBER, MRS. W. R.
 24 S. 77th St., Belleville
 WEBSTER, MR. CHARLES
 108 W. Lincoln St., Mount Morris
 WHITE, MR. PHILIP M.
 1040 Erie St., Oak Park
 WIESE, MRS. DAISY A.
 Newman
 WILLIAMS, MRS. JOHN H.
 198 Arnold St., Galesburg
 WILLIS, MRS. FRIEDA
 Rt. 2, Box 90, West Frankfort
 WILSON, MR. WENDELL R.
 1301 Linden Ave., Park Ridge
 WINTER, MR. FRANK G.
 18 S. Madison St., Hinsdale
 WOLFE, MRS. H. M.
 520 W. Main St., Taylorville
 YOUNG, MR. LIONEL V.
 1062 E. Main St., Galesburg
 *ZANDER, MR. RICHARD
 (Elmhurst Farms)
 1803 Montague Rd., Rockford

INDIANA

ADDIS, MR. ALBERT L.
 Box 36 A, RR 4, Albion
 AEPPLI, MR. W. A.
 137 N. Kingston Rd., Plymouth
 ANCHORS, MRS. A. L.
 833 Johnson St., Gary
 APP, MISS ORPHA L.
 RFD 6, LaFayette
 AYRES, MRS. ADDA E.
 428 N. Mer St., Redkey
 BARBRE, MRS. LOY
 845 E. Parkland Ave., Evansville 11
 JEWELL BERG'S FLORIST GARDENS
 929 W. Washington St., Alexandria
 BOCKSTAHLER, MR. E. R.
 847 N. Tacoma Ave., Indianapolis 1
 BOMMERSBACH, MR. JOHN N.
 3220 College Ave., Indianapolis
 BOWER, MR. CLYDE M.
 3305 W. Washington St., Indianapolis 8
 BURKETT, MR. GEORGE W.
 Rt. 1, Winamac
 BUSS, MR. WALTER E.
 (Edenwald Gardens)
 Vincennes
 CHAPPELL, MISS RACHAEL
 238 S. 4th Ave., Beech Grove
 *COOK, MR. PAUL H. (Sustaining)
 RFD 4, Bluffton
 (Garden open afternoons only)
 DAVIS, MISS JONNIE LEE
 2406 E. Market St., New Albany
 DAYHOFF, MRS. H. B.
 1028 R St., Bedford

DELLINGER, MRS. JOHN
 6825 Ontario Ave., Hammond
 *DICKASON, MRS. F. M. (Sustaining)
 Box 53, Bluffton (May 25-June 5)
 EGNER, MRS. EMANUEL
 Rt. 4, Goshen
 *EVANS, MR. EARL E.
 Rt. 1, Fort Wayne 8
 FLORY, MR. WILMER B.
 1533 Meadlawn, Logansport
 FLUCAWA, MRS. FRANK
 Rt. 2, New Castle
 GILLUM, MRS. MABEL
 2215 E. Willard St., Muncie
 GOSS, MR. DONALD C.
 Rt. 8, Smith Rd., Fort Wayne 8
 GRIFFITH, MISS MARGARET L.
 4925 E. 65th St., Rt. 13, Box 107 G,
 Indianapolis 44
 GUARD, MRS. BESSIE
 Rt. 1, Lawrenceburg
 HEDGES, MR. HERMAN C.
 558 Blackman St., Clinton
 HOLL, MR. EARL A. (Life)
 3520 N. Grant Ave., Indianapolis 18
 *HORTON, MRS. FRANCES C.
 (Irisdale Gardens)
 528 Bristol St., Elkhart
 HOWE, MRS. GLEN A.
 Medaryville
 HUSSELMAN, MRS. CLYDE H.
 Rt. 2, Waterloo
 INDIANA UNIVERSITY LIBRARY
 Bloomington
 INDIANAPOLIS PUBLIC LIBRARY
 Reading Room Dept., Meridian at
 St. Clair St., Indianapolis 4
 IRIS GARDEN CLUB
 % Mrs. Herschel Brinson
 2007 Lincoln Ave., New Castle
 *JONAS, MR. CLARENCE D.
 4747 Kyle Rd., Fort Wayne 8
 (May 25-June 7)
 (Visitors welcome in the Afternoon)
 JONES, MR. ERNEST, JR.
 Box 2022, Sta. D., Evansville
 KALLENBACH, MISS VIOLA
 Rt. 1, Mt. Vernon
 KILDOW, MRS. GLEN
 Alexandria
 LAPHAM, MRS. ELIZABETH F. (Sustaining)
 1003 Strong Ave., Elkhart
 LAPHAM, MR. E. G. (Sustaining)
 1003 Strong Ave., Elkhart
 McCORD, MR. FORREST V.
 2111 Reserve St., Muncie
 MEAD, MR. JOHN
 5207 Washington Blvd., Indianapolis
 NELSON, MRS. H. DEWEY
 Remington
 NOIROT, MRS. LEO
 Waterloo
 *PAINE, MR. C. W.
 5015 Carrollton Ave., Indianapolis 5
 *PARKER, MRS. E. A. (Sustaining)
 7341 Olcott Ave., Hammond
 (May 25-June 5)
 POWERS, MRS. ORA
 3315 New Haven Ave., Fort Wayne 4
 PROCTOR, MRS. NOEL E.
 1215 E. Adams St., Muncie
 RANKIN, MISS MARY
 Rt. 7, Greensburg
 REATH, MISS MARGUERITE
 1420 17th St., Bedford
 RHEINHARDT, MR. JOHN C.
 2006 N. 5th Ave., Evansville
 RICHER, MRS. J. M.
 204 N. Main St., South Whitley
 RIEMAN, MR. HAROLD
 320 N. 20th St., Beech Grove
 ROGERS, MR. WALTER
 Rt. 2, Bloomington

*SCHNEIDER, MR. PAUL E.
 (Paul's Iris Gardens)
 121 S. Alexander St., Bremen
 (May 25-June 3)
 SCHUMM, MR. LORENZ G.
 302 C St., LaPorte
 *SHAWVER, MR. GEORGE L.
 1231 E. 28th St., Anderson
 (May 30-June 15)
 SMALL, DEANETTE M.
 Waldean, RR 1, Chesterton
 SMALL, MR. JAMES H.
 Waldean Farm, Chesterton
 *SMITH, MRS. MAY
 939 Shelby St., Indianapolis 3
 (May 15)
 STEELE, MISS BIRDIE B.
 Box 504, Kentland
 THOMAS, MRS. MEREDITH H.
 1414 17th St., Bedford
 WADE, MRS. CLEETIS E. (Sustaining)
 1508 Hendricks St., Anderson
 WAINWRIGHT, MR. GUY A.
 4139 N. Capitol Ave., Indianapolis 8
 WELCH, MR. WALTER E.
 Middlebury
 WILLIAMSON, MISS MARY
 (Longfield Iris Farm)
 Bluffton
 WISE, MR. CHARLES E.
 Wakarusa
 WRIGHT, MR. CHARLES A.
 Middletown
 WRIGHT, MR. FRANK C.
 (Sycamore Hills Iris Gardens)
 Monticello
 YOUNG, MRS. ARTHUR
 1739 W. Walnut St., Kokomo
 ZICKLER, MR. EDWARD A.
 1823 Koehne St., Indianapolis 2
 ZINK, MR. GEORGE G.
 830 8 Kraay Ave., Munster
 ZUERCHER, MRS. ELSIE
 876 N. Jefferson St., Berne

IOWA

ALCOX, MR. PURL E.
 2323 33rd St., Des Moines 10
 ALLEN, MR. J. S.
 1037 Walker St., Waterloo
 ANDERSON, MRS. E. A.
 428 W. 4th St., Spencer
 ANDERSON, MRS. L. D.
 115 E. Pleasant View Dr., Des Moines
 ANDERSON, MRS. L. VICTOR E.
 RFD 2, Box 58, Gowrie
 ANDERSON, MRS. LAURA
 State Center
 AYRES, MRS. LOLA
 3921 Davis Ave., Sioux City
 BAILEY, DR. HAROLD
 400 Spriggs St., Charles City
 BAKER, MRS. LOYD R.
 Pierson
 BANHAM, MR. W. H.
 Montezuma
 BARNES, MRS. LLOYD L.
 Merville
 BARQUIST, MR. ROY B.
 716 19th St., Des Moines
 *BENSON, MRS. E. V.
 246 Canning St., Council Bluffs
 BROOKS, MR. C. B.
 102 Independence Ave., Waterloo
 BROWN, MR. A. F.
 Jefferson
 BUCKNAM, MRS. SUZANN
 1247 Fairmount Ave., Council Bluffs
 BUTTERFIELD, MRS. L. W.
 2234 Upland Dr., Cedar Rapids
 BYERS, MRS. W. A. (Sustaining)
 238 5th Ave., Council Bluffs

CAIRY, MR. L. N.
 Eagle Grove
 *CAMP, MRS. RALPH E.
 3524 5th Ave., Council Bluffs
 CASADY, MRS. CLYDE
 112 Maish St., Des Moines 15
 CECHMANEK, MISS HELEN
 3614 7th Ave., Council Bluffs
 CHESTERMAN, MISS ETHEL
 1706 George St., Sioux City
 CHRISTENSEN, MISS VIVIAN
 Rt. 3, Marcus
 CHRISTIANSEN, MRS. EDITH R.
 3512 Fourth Ave., Council Bluffs
 COLLINS, MR. WILLIAM H., Sec.-Treas.
 (Iowa State Horticulture Society)
 State House, Des Moines 19
 CONNELL, REV. J. P.
 Catholic Rectory, Riceville
 CROSS, MRS. R. W.
 34 Rainbow Dr., Waterloo
 CURRIER, MISS HANSEN (Life)
 2115 Summit Ave., Sioux City
 CUSTER, MR. JOTHAM E.
 Jefferson
 DeBIAGGIO, MISS CATHERINE
 1909 S. E. 1st St., Des Moines
 DECKER, MR. J. E.
 1217 S. 22nd St., Fort Dodge
 DEITRICK, MR. RALPH (Sustaining)
 Box 161, Des Moines 1
 DIEGEL, MRS. ERNEST
 Remsen
 DIVINE, MR. H. E.
 2105 Glenway Dr., S. E., Cedar
 Rapids
 DUBES, MR. GEORGE R.
 2128 Isabella St., Sioux City 17
 DUMONT, MRS. W. G.
 225 37th St., Des Moines
 DVORAK, DR. J. E.
 408 Davidson Bldg., Sioux City
 EKDAHL, MR. RUDOLPH CARL
 423 Casselman, Sioux City 17
 *ELLIS, MRS. B. E. (Sustaining)
 118 N. Sheridan Ave., Ottumwa
 ELLYSON, MRS. CHARLES W.
 409 Home Park Blvd., Waterloo
 ELLYSON, DR. CRAIG D. (Life)
 801-803 Black Bldg., Waterloo
 EMERY, MR. E. A.
 219 N. Cecelia St., Sioux City 19
 EMERY, MRS. E. A.
 219 N. Cecelia St., Sioux City 19
 FETT, MRS. JOHN
 Ankeny
 FORD, MRS. A. T.
 2105 Summit, Sioux City
 FOSS, MRS. DAN
 2719 Prospect St., Sioux City
 FOX, MRS. CLARA B.
 % Highway Commission, Ames
 FRAMKE, MRS. MABEL
 336 S. Cassleman St., Sioux City
 FRANCISCO, MRS. IVA
 Rt. 1, Box 11, Humeston
 FAUL, MRS. HELEN FLACK
 5721 Kingman Blvd., Des Moines 11
 GAAR, MRS. KEITH W.
 1166 Chautauqua Parkway, Des Moines
 GAMBER, MRS. B. W.
 2123 48th St., Des Moines 10
 GIFFORD, MISS VESTA
 Merville
 *GRAHAM, MRS. JOSEPHINE FRANK
 3404 Fifty-sixth St., Des Moines 11
 (May 20-June 20)
 GRAY, MRS. JOHN P.
 P. O. Box 514, Council Bluffs
 *GUGLER, MRS. W. E.
 3544 5th Ave., Council Bluffs
 GUTEKUNST, MRS. ANGIE (Sustaining)
 Box 37, State Center

HACKEN, MRS. C.
1909 Ross St., Sioux City

HANSON, MRS. WILLIAM S.
306 S. Stone, Creston

HARTSUCK, MR. CARL
2925 48th St. Pl., Des Moines 10

HARTZLER, MRS. F. M.
Box 112, Earlham

HAUSEN, MRS. C. S.
711 W. Main, Clarinda

HAW, MRS. E. A. (Sustaining)
203 W. 5th St., Ottumwa

HAWKINSON, MRS. WILLIAM P.
2116 Jersey Ridge Rd., Davenport

HOFFMAN, MISS CHRISTINE M.
2407 E. 33rd St., Des Moines 17

HULL, MRS. DON
1328 Monona St., Boone

HUMBLE, MRS. EARL
RR 1, Webster City

*ILTIS, MRS. MINNIE G.
1104 44th St., Des Moines

INTER-STATE NURSERIES
Hamburg

IOWA STATE COLLEGE, LIBRARY
Ames

JARCHOW, MR. E. R.
726 Colorado, Waterloo

JOHNSON, MRS. ARTHUR L.
402 Taylor St., Ida Grove

JOHNSON, MRS. ELLA
Rt. 2, Avoca

*JOHNSON, MR. & MRS. LLOYD L.
1331 19th St., Des Moines 14
(May 15)

JORGENSEN, MR. HANS P.
3715 Douglas, Des Moines 10

JUDKINS, MRS. MAY
3046 Scott St., Des Moines 17

KAHLE, MR. JOHN T.
1965 Alta Vista St., Dubuque

KEHRBERG, MRS. S. C.
Audulon

KELSEY, MR. RAY D.
1649 34th St., Des Moines 10

KLINE, MRS. EDNA
2205 30th St., Des Moines 10

KOCHHEISER, MRS. ALBERT
Ankeny

KOEPER, MISS MINNIE
RR 4, Marshalltown

KOETTERS, MRS. WILLIAM
2367 Boies, Sioux City

KURT, MRS. L. P.
306 Kenilworth Rd., Waterloo

LAURITSON, MRS. CLIFF
800 Dawson St., Waterloo

LEWIS, MRS. C. J.
1729 East St., Cedar Falls

LINDBERG, MR. RICHARD A.
Rt. 4, Fort Dodge

LUDDEN, MRS. VERA H.
1516 Ross St., Sioux City

McAHREN, MRS. JUNE
2821 Nebraska St., Sioux City

McCOLM, MRS. K. L.
Rt. 1, Letts

McINTIRE, MISS JANE
527 Bluff St., Council Bluffs

McMANAMY, MRS. VERNABELLE
2223 Lemon St., Sioux City

MANNY, MRS. LOREN O.
Ankeny

MARCUE, MRS. CARL
Le Mars

MAXON, MR. MAX
1306 Des Moines St., Webster City

MEVES, MRS. DeETT
4009 Brady St., Rt. 3, Davenport

MEYER, MR. R. F.
Box 468, Shenandoah

MEYERS NURSERY
Highway 20 E., Waterloo

MILLER, MR. JOE M.
520 Upton Ave., Waterloo

MILLICE, DR. G. S. (Sustaining)
Box 405, Battle Creek

MORGAN, MRS. DOROTHY
302 S. E. Leland, Fort Des Moines

MORRISSEY, MRS. F. B.
Rt. 1, Coggon

MURRAY, MRS. WILLIAM M.
1721 Carpenter, Des Moines 14

NELSON, MRS. SARA WELLS
Pomeroy

NORMAN, MRS. R. C.
107 Highland, Fairfield

OSHLO, MR. CHARLES W.
2400 Ave. A, Council Bluffs

PENDARVIS, MRS. A. R.
603 Euclid, Des Moines 13

PIKE, MRS. ARTHUR C.
Whiting

PINK, MR. FRANK
Carrier 306, Des Moines

POLLOCK, MR. JOSEPH
1514 S. E. McKinley, Des Moines

*RADSCHLAG, MR. W. H.
3101 Jackson St., Sioux City 18
(May 15-June 1)

RAKOW, MR. ROBERT J.
411 Bluff, Sioux City 17

RAUCH, MRS. ELIZABETH
Peru Rd., Dubuque

RECKNOR, MRS. EARL F.
1200 Lake, Creston

*REID, MRS. J. A.
108 Market St., Sioux City 17
(May 20-30)

REINHOLDT, MRS. FRED
Kingsley

RICKER, MRS. RALPH E.
1516 Ross St., Sioux City 17

RITCHHART, MR. C. C.
4323 11th St., Des Moines 13

ROBBINS, MR. OMAR
823 Warren St., Davenport

ROOT, MRS. FRANK S.
3303 Beaver Ave., Des Moines 10

ROSS, MRS. MERRILL
Minburn

RUSSELL, MRS. JOHN
2100 40th St., Des Moines 10

RYAN, MR. FRANK L.
Box 63, Quimby

SAFLEY, MRS. BERTHA
RFD 2, Traer

SAGER, MRS. ETHEL
1432 W. 28th St., Des Moines

SAWYER, MR. HORACE C.
506 Shugart, Shenandoah

SCHENTZEL, MR. R. H.
2607 Hickman Rd., Des Moines 10

SEABURY, MRS. EDWIN D.
Pisgah

SHIRLEY, MRS. SCOTT
Minburn

SIETMAN, MRS. LEWIS
Laurel

SINGMASTER, MR. CARL
(Sunny Place Gardens)

1703 Tichenor St., Des Moines 17

SLOTHOWER, MR. N. C.
2109 W. 3rd St., Sioux City 17

SNEDEKER, MRS. H. L.
1028 William St., Boone

SNYDER, MR. W. S. (Sustaining)
3822 4th Ave., Sioux City 20

SPERRY, MISS JANICE
2021 10th St., Des Moines 14

STALLMAN, MR. M. F.
803 Dawson St., Waterloo

STEGEMANN, MR. B. C.
RFD 4, Denison

STEPHENSON, MR. B. N.
Box 146, Boone

STEVENSON, MR. W. H.
 320 Ash Ave., Ames
 STICE, MR. DARWIN
 3008 E. 14th St., Des Moines 16
 STRANDBERG, MRS. JOHN J.
 1005 8th Ave., Belle Plaine
 STRANG, MRS. W. C.
 36 Gould Ave., Council Bluffs
 TINLEY, MRS. M. A. (Sustaining)
 520 Third St., Council Bluffs
 TOMPKINS, MR. C. W.
 423 Casselman, Sioux City 20
 TUCKER, MRS. CLYDE (Sustaining)
 3801 W. 15th St., Des Moines
 WALKER, MRS. THOMAS EVERETT
 2436 S. E. 8th, Des Moines 15
 WATSON, MRS. R. F.
 Box 202, Fort Des Moines
 WEANDER, MR. HOMER O. (Sustaining)
 2118 Roosevelt St., Sioux City
 WEBB, MRS. W. R.
 2807 Jennings St., Sioux City 18
 WHITING, MRS. CHARLES G. (Sustaining)
 (Maple Valley Iris Gardens)
 Mapleton
 WHITING, MR. CHARLES G. (Sustaining)
 Mapleton Trust & Savings Bank,
 Mapleton
 WILLIAMS, MRS. EARL
 Prairie City
 WILSON, MR. A. (Sustaining)
 Harlan
 WOODROFFE, MRS. FLEETA BROWNELL
 Better Homes & Gardens, Des Moines
 YORK, MRS. T. E.
 1102 N. Sycamore, Creston
 YOUNG, MR. C. B.
 243 W. 11th St., Dubuque

KANSAS

ADAMS, MR. A. C.
 Oxford
 AKINS, MISS FLORA
 839 Atchison St., Atchison
 ANDERSON, MRS. BERNICE
 Simpson
 BAKER, MR. ORVILLE M.
 810 Litchfield St., Wichita 3
 (May 10-20)
 BANYARD, MRS. FRANK
 Rt. 2, Hutchinson
 BANYARD, PROF. FRANK H,
 Rt. 2, Hutchinson
 BARNHARD, MR. M. J.
 3515 E. Lincoln, Wichita
 BARTLETT, MRS. SAM E.
 125 N. Belmont, Wichita
 BENCE, DR. A. E.
 3833 E. 2nd St., Wichita
 BENJAMIN, MRS. M. C.
 (West Side Floral Garden)
 Box 22, Rt. 3, Hutchinson
 BIEBER, MRS. ELSIE
 Bison
 BIGGER, MR. MYRON D.
 1147 Oakland Ave., Topeka
 BLACK, MRS. ALFRED J.
 Blackhaven Farm, La Cygne
 BOUCHER, MRS. LLOYD J.
 3216 Barnett St., Kansas City
 BRADFIELD, MRS. B. C.
 Rt. 1, Burrton
 BRANNAN, MISS CHRISTINE V.
 Hotel Lassen, Wichita
 BRASFIELD, MRS. PETE
 Box 134, Norwich
 BRENTANO, MISS MARGUERITE
 Rt. 4, Atchison
 BRICKELL, MRS. BERT
 (Flower Hill Gardens)
 Saffordville
 BRIERY, MRS. HOWARD C.
 112 W. 7th St., Hays
 BRILES, MRS. E. A.
 Stafford
 BRIZINDINE, MR. ROY
 2214 Maryland, Topeka
 BROWN, MRS. HAROLD F.
 115 S. Old Manor Rd., Wichita
 BROWN, MRS. LEE
 1821 Lane St., Topeka
 BRUMLEY, MRS. L. P.
 112 S. Severence, Hutchinson
 BRUNNER, MRS. JACK
 608 N. 3rd St., Atchison
 BRYAN, MR. FORREST K.
 Box 158, Scott City
 BURNS, MRS. E. W.
 1307 Menor St., Winfield
 BUZZI, MRS. TOM
 Box 300, Arkansas City
 CARBAUGH, MRS. RUTH
 LaCrosse
 CHADS, MRS. DUDLEY C.
 P. O. Box 85, Medicine Lodge
 CHAMBERS, MR. ROY M.
 RFD, Lenexa
 CHANDLER, MRS. H. E.
 1320 Haskell Ave., Rt. 5, Lawrence
 CHEVRAUX, MRS. R. P.
 301 N. Jennings Ave., Anthony
 CLARK, MRS. W. T.
 227 W. 16, Hutchinson
 CLEMENTS, MRS. WILLIAM J.
 Box 353, Udall
 COLDSMITH, MR. CHARLES I.
 Baldwin
 COOPER, MRS. PEARL D.
 406 N. Prospect, Liberal
 COUNTERMAN, MR. ROY
 1004 E. Maple, Independence
 *CRAMER, MR. M. O.
 805 Lincoln St., Coffeyville
 CROSBY, MR. C. B., JR.
 3120 Westover Rd., Topeka
 CROSS, MR. F. M.
 Box 313, Pleasanton
 CROWDUS, MRS. WILLIAM W.
 902 Faulkner, Wichita
 CUTTER, MRS. CHARLES
 924 N. Kansas, Liberal
 DADE, MRS. PHILLIP
 Rt. 1, Hutchinson
 DAFFORN, MRS. E. C.
 Cunningham
 DANIELS, MRS. WILLIAM
 1012 Church St., Scott City
 DAVIS, MRS. HAL
 1825 N. Main St., Hutchinson
 DECK, MRS. EDGAR
 Protection
 DECKER, MRS. LLOYD V.
 Hill Grove Farm, Goddard
 DeMOURE, MR. LLOYD G.
 1431 Ellis, Wichita 9
 DICKERSON, MRS. HAROLD
 RR 3, Humboldt
 DORIS, MRS. CECIL
 Sublette
 EASTHAM, MRS. ELSIE M.
 Humboldt
 EDINGTON, MRS. C. R.
 1104 Laramie St., Marysville
 ELSTROM, MR. TED R.
 RFD 1, Concordia
 EPAFD, MRS. LESLIE
 Colby
 FAILOR, MR. W. A.
 120 E. 11th St., Concordia
 FAIN, MRS. C. H.
 303 Commerce Bldg., Pittsburg
 FERRICK, MRS. IGNACE
 416 Arter Ave., Topeka
 FOX, MISS FLORENCE (Sustaining)
 609 N. 3rd St., Atchison
 FRANZMEIER, MRS. B.
 717 S. Oliver, Wichita

FRAZIER, MRS. MAUDE
 212 N. Summit, Girard
 FREDERICK, MRS. M. P.
 2118 Ravina Park, Topeka
 FRISBIE, MISS NELLIE V.
 245 E. C. Kingman
 FULLER, MR. CHARLES M.
 Rt. 3, Wichita
 GATES, MRS. LYDIA
 Clay Center
 *GAUNT, MR. C. S.
 1109 Broadway, Marysville
 (May 27-June 15)
 GEISER, MR. G. W.
 (Fair Chance Farm)
 Beloit
 GEISER, MR. MELVIN G.
 Rt. 4, Beloit
 GIBSON, MRS. VIRGINIA N.
 823 Bluemont St., Manhattan
 GLYNN, MRS. HENRY
 Frankfort
 GRAHAM, MRS. CLYDE
 1321 W. Central, El Dorado
 GRIFFIN, MRS. W. A.
 Kiowa
 GROSS, MRS. NORMAN J.
 Rt. 3, Russell
 GRUBEN, MRS. ERVIN
 709 College St., Scott City
 HACKETT, MR. E. W.
 1624 S. 14th St., Kansas City 3
 HALL, MR. ROY H. (Sustaining)
 270 S. Delrose, Wichita
 HALL, MR. WILLIAM E.
 (Hall's Floral Gardens)
 La Crosse
 HAMERSKY, MR. AL
 Cheney
 HARDEN, MISS DELPHINE
 Protection
 HARDEN, MRS. RAYBEN
 Protection
 HARDING, MRS. C. W.
 5414 Norwood Rd., Kansas City
 HARDMAN, MRS. D. H.
 Osborne
 HARRIS, MR. WILLIAM C.
 (The Harris Gardens)
 Box 179, Enterprise
 HARRISON, MRS. JESSIE
 RR 2, Box 105, Galena
 HARRY, MRS. C. R. (Sustaining)
 Box 84, Home
 HELMLEY, MRS. ELENOR
 916 Campbell, Kiowa
 HENDERSON, MR. ROSS R.
 5251 Canterbury Rd., Kansas City 3
 HIGGASON, MRS. GRACE P.
 Oakley
 *HILL, H. M. & SON (Sustaining)
 (Iris & Peony Farm)
 Lafontaine
 HINDERLITER, MR. WAYNE B.
 1432 S. Waco, Wichita
 HITE, MRS. MABEL
 207 S. Jennings Ave., Anthony
 HOERNER, MR. JOHN H.
 1300 Plass Ave., Topeka
 HOLDER, MR. LLOYD E.
 Rt. 4, Atchison
 HOLMBERG, MR. R. D.
 112 N. 5th St., Neodesha
 *HOLZLE, MR. HARRY C.
 1130 Madison St., Topeka (May 15)
 HOWARD, MISS MARY
 827 Porter, Wichita 3
 HUGHES, MR. FOREST
 1426 S. 7th, Atchison
 HUMPHREY, MRS. THOMAS E.
 RFD 1, Kiowa
 HUTTO, MRS. FRED
 0420 McCabe St., Winfield
 *JACKMAN, MRS. S. E. (Sustaining)
 Minneapolis (May 20)
 JACKSON, MRS. L. L.
 204 Delaware St., Hiawatha
 JOHN, MRS. FRANTZ
 306 W. 18th, Hutchinson
 JOHNSON, MRS. N. C.
 Dresden
 JOHNSON, MRS. W. E.
 Box 484, Independence
 JONES, MRS. CHARLES F.
 624 S. Evergreen, Chanute
 JUSTICE, MR. EDWARD S.
 524 S. Lorraine, Wichita 9
 KABA, MISS MARIE
 Plainville
 *KING, MRS. KATE BARNES
 1221 E. Seventh St., Winfield (May 8)
 *KINISH, REV. DAVID R. (Life)
 St. Benedict's College, Atchison
 KLOPF, MISS ETHEL
 508 N. 9th St., Atchison
 KOLB, MR. W. A.
 RFD 2, Box 4, Fisher Rd., Shawnee
 KORACH, MR. JOE
 1333 Laura, Wichita
 *KOSTER, MR. PETER C. M. (Sustaining)
 253 N. Clarence, Wichita
 KREBS, MRS. H.
 1017 Main St., Scott City
 LAMBRECHT, MISS ANNA
 1010 E. 7th St., Winfield
 LANG, MRS. RALPH E.
 Sylvia
 LEWIS, MR. C. H.
 4512 State Line, Kansas City 3
 LYNCH, MRS. EDITH
 RR 1, Bethel
 McCLANAHAN, MISS ALICE
 LaCygne
 *McFERRIN, MRS. GEORGIA B.
 Pawnee Rock
 McGINNIS, MISS RUBY
 1231 E. Oak, Fort Scott
 McKOWN, MR. LEE
 (McKown Nurseries)
 Pratt
 McMULLIN, MRS. J. H.
 932 Porter, Wichita 3
 MAHURON, MRS. N. B.
 814 N. Lincoln, Liberal
 MANNING, MRS. H. W.
 1420 Rural St., Emporia
 MARTIN, MR. CLYDE V.
 1002 W. 4th, Coffeyville
 MATTINGLY, MR. E. H.
 116 S. Pinecrest, Wichita 8
 MILLER, MRS. VERNON L.
 Rt. 1, Bethel
 MOGLE, DR. CLARENCE H.
 208 1st Nat'l. Bank Bldg., Winfield
 MOORE, MRS. EDNA
 3736 Cambridge St., Kansas City 3
 MORRIS, MRS. J. H.
 223 Cement St., Independence
 MORROW, MRS. A. M.
 40 S. Prospect, Liberal
 MURDOCH, MR. MARCELLUS M.
 240 N. Belmont, Wichita
 *NOVOTNY, MRS. JOE
 109 S. Iuka, Pratt
 NUMRICK, MRS. PAUL
 1025 Main St., Scott City
 *OHL, MR. JOHN J. (Life)
 Rt. 5, Wichita (May 7-20)
 OLDEN, MR. C. E. (Sustaining)
 1130 Parallel, Atchison
 PAMMENTER, MR. A. M.
 1425 S. Water St., Wichita
 PARSONS IRIS SOCIETY
 % Mrs. Ray J. Moore
 2820 Crawford, Parsons
 *PATON, MR. J. E.
 903 Ann St., Winfield (May 5-15)

PATTON, MRS. J. D.
Whiting

PAYNE, MR. CHARLES
Box 65, Kingman

PEACOCK, MR. C. E.
(Peacock's Iris Gardens)
3425 W. Central, Wichita

PERRIN, MRS. JOHN
411 Walnut, Osawatomie

PERRY, MRS. ROBERT B.
1123 W. Main St., Chanute

PETERMAN, MRS. E. B.
2057 S. Water St., Wichita

PETERSON, MISS IVY M.
837 Nims Ave., Wichita

PITMAN, MISS VELMA
Scott City

PIVONKA, MRS. R. C.
La Crosse

PORTER, MRS. MERLE
1206 Ida St., Wichita

*PREWETT, MRS. HARRY C.
5411 Fairway Rd., Kansas City

RAMSEY, MRS. BUFORD
(Morningside Iris Garden)
Rt. 1, Hutchinson

RAZOR, MRS. WILLIAM
Washington

REED, MRS. J. C.
116 E. 13th St., Abilene

REEDER, MR. C. A.
Rt. 3, Crooks Rd., Kansas City

REEDER, MRS. C. W.
Troy

REESE, MR. WILLIAM J.
5628 Goodman, Merriam

REPLOGLE, MRS. LOLA E.
1316 West 16th St., Topeka

RICE, MR. H. V.
927 Litchfield, Wichita

ROACH, MRS. WILLIAM J.
5412 Norwood Rd., Kansas City

*ROBERTS, MRS. W. N.
Box 183, La Crosse (May 18-25)

ROSE, MISS ETHEL M.
202 Central St., Humboldt

*ROUSE, MR. JERRY A.
Box 132, Cunningham (May 15)

RUPP, MRS. H. L.
W. 9th Ave. Hill, Winfield

*SAINT HELENS, MRS. IDA
1212 N. Fifth St., Independence

*SALLEY, MRS. J. H. (Sustaining)
Box 72, Liberal

SCHAUB, MRS. RUSSELL
924 E. Main, Independence

SCHWINN, MRS. THELMA
2004 Gold, Wichita 11

SCOTT, MRS. WINIFRED
3100 W. Douglas, Wichita 4

*SEATON, MR. R. A.
731 Leavenworth St., Manhattan

SHANE, MR. CHESTER D.
P. O. Box 816, Winfield

*SHOEMAKER, MR. HARRY A.
(Shoemaker's Gardens)
Overland Park (May 10-20)

SHUMATE, MRS. WILL
Minneola

SLATER, MRS. E. A.
2209 E. Harry St., Wichita 9

SMALL, MR. ROBERT C.
Anness

SMITH, MRS. B. L.
506 Miami St., Hiawatha

SMITH, MRS. EDWARD C.
706 N. A St., Wellington

SMITH, MRS. RAY L.
812 W. Centrale Ave., El Dorado

SPOHRER, MRS. R. R.
Lenora

STANLEY, MRS. ARTHUR J.
2114 N. 12th St., Kansas City 2

*STATELER, MRS. W. L.
Rt. 1, Dodge City

STONER, MISS DOROTHY
(The Iris Garden)
Merriam

*STONER, MRS. LOYD
Plainville

STRALEY, MRS. A. M.
700 E. 7th St., Hutchinson

STROUP, MRS. RICHARD
1607 Washington, Baxter Springs

STUART, MR. RALPH H.
852 Carter Ave., Wichita 3

STUBBS, MRS. P. B.
1965 N. 33rd St., Kansas City

SWAILS, MRS. J. G.
Box 714, Wathena

SYMNS, MRS. A. B.
Bendena

TAMMEN, MRS. MARION
Rt. 1, Timken

TAYLOR, MRS. CHARLES D.
215 W. Second St., Liberal

THOMSON, MRS. A. G.
410 S. 6th, Hiawatha

TIMMERMAN, MR. WALTER
2017 Freeman Ave., Kansas City

TRIMBLE, MRS. IRA
324 N. 7th, Sterling

TURPIN, MR. GARY
Rt. 3, Atchison

*ULRICH, MR. BERNARD E.
1120 Parallel St., Atchison

*ULRICH, MRS. BERNARD E.
1120 Parallel, Atchison

WADSWORTH, MRS. FLORENCE
Medicine Lodge

WALL, MR. HUGO
1305 N. Yale, Wichita

WANKO, MISS EVELYN
1545 N. Athenian, Wichita

WARE, MRS. BULA (Sustaining)
133 W. 7th St., Garnett

WARREN, MRS. JOE
Rt. 1, Maple City

WEBB, MR. & MRS. C. A.
921 Fillmore, Topeka

WEISHAAR, MRS. GEORGE
311 College St., Scott City

WELCH, MR. CARL E.
Washington

WILHITE, MISS BESS
2108 S. 14th St., Kansas City 3

WILKINS, MRS. WALTER
Chapman

WILSON, MRS. ANNA
811 E. 10th, Hutchinson

WILSON, MR. B. E.
Box 293, Burrton

WILSON, MR. DAN
Ottawa

WITMAN, MRS. A. F.
3635 E. 21st St., Wichita

*WITTORFF, MRS. FRED
203 S. Washington St., Box 265,
Pratt

YOUNG, MRS. RUTH N.
Box 277, La Crosse

ZIELINSKI, MISS GENE
89 S. 17th St., Kansas City 2

ZUGG, MRS. CLARK W.
3015 Broadway, Great Bend

KENTUCKY

ALEXANDER, MRS. JAMES W.
344 Cassidy Ave., Lexington

AXTON, MRS. E. D.
Woodsacres, Prospect

BAYNE, MRS. WILLARD H.
Mt. Olivet

BOEBINGER, MR. WOODFORD
4002 Leland Rd., Louisville 7

CARPENTER, MR. CARL
115 E. 19th St., Owensboro

COBB, MR. W. R.
318 Zorn Ave., Louisville

DODSON, MRS. EARL
Box 13, Lyndon

DOWNING, MRS. L. W.
W. Cherry St., Glasgow

*DRAKE, MR. J. H.
4026 Spring Hill Rd., Louisville 7
(May 1-June 1)

EVANS, MR. CHARLES H.
Rt. 1, Henderson

FERGUSON, MRS. E. B.
Box 998, Paducah

FORSTON, MRS. ELIZABETH
Lyndon

GARRETT, MRS. PAUL
College Heights, Bowling Green

GOFF, MR. THOMAS
Stanton

GRAHAM, MRS. V.
1626 Chestnut St., Bowling Green

GRANT, MRS. HENRY L. (Sustaining)
412 Oread Rd., Louisville 7

HINTON, MISS VERA
Sadieville

KERR, MRS. S. D.
2300 Bradley Ave., Louisville

LANNOM, MRS. MARY M.
% Asbury College, Wilmore

LINDSEY, MRS. A. L.
Mayfield

LOUDERMILK, MRS. C. A.
1242 Chestnut St., Bowling Green

LUCAS, MRS. FRANK
Rt. 1, Owensboro

MARRIOTT, MISS VIRGINIA
311 W. Dixie Ave., Elizabethtown

MARSHALL, MR. JOHN JR.
714 Kentucky Home Life Bldg.,
Louisville 2

MICHAEL, MRS. EDWIN B. (Sustaining)
Blandville Rd., Paducah

MILLIKEN, MRS. G. D.
1043 Covington Ave., Bowling Green

MITCHELL, MRS. R. A.
RFD 5, Bethlehem Rd., Paris

MOREHEAD, MRS. HARRY
614 E. Locust, Scottsville

OLBERZ, MR. PAUL L.
550 E. Barbee St., Louisville 8

OWEN, MRS. LELAND E.
107 N. 12th St., Murray

RABOLD, MRS. EARL D. (Sustaining)
942 Parkway, Bowling Green

RAWLINS, MRS. SAMUEL P.
1244 Park St., Bowling Green

RIVES, MR. JOHN L.
Rt. 2, Pembroke

RUSSELL, DR. FREDERICK F.
RR 6, Box 39, Louisville 7

SPEED, MRS. IRENE (Sustaining)
Jeffersontown

STONE, MR. MARVIN S.
% Walmac Farm, Lexington

THOMAS, MRS. WILLIAM G.
Box 623, Bowling Green

THOMPSON, MRS. O. W.
507 17th St., Bowling Green

TOOMEY, MRS. L. O.
822 Covington Ave., Bowling Green

TROTTER, MISS EDNA
311 E. 5th St., Newport

TURNER, MRS. JOHN W.
(Beechmont Garden Club)
122 Seneca Trail, Louisville

*WATSON, REV. GEORGE S.
119 Don Allen Rd., Louisville
(May 1-20)

WRIGHT, MR. SYDNEY
1312 Hepburn Ave., Louisville 4

LOUISIANA

ABBOTT, MR. STUAIT
1515 3rd St., Alexandria

ADAMS, MRS. J. L.
113 E. McCormick, Shreveport

ARCENEUX, MRS. EDGAR
Rt. 2, Lafayette

ARCENEUX, DR. GEORGE
Houma

ARNY, MR. C. W., JR.
Box 521, S.L.I. Station, Lafayette

BARRETT, MRS. L. R.
Box 145, Bossier City

BARTON, MR. JOHN W.
P. O. Box 1028, Baton Rouge

BECK, MRS. FREDERICK C.
120 Caroudelet, Shreveport

BELANGER, MRS. L. J.
Rt. 4, Baton Rouge

BELLOWS, MRS. EARL
Rt. 2, Box 620K, Shreveport

BLAIN, MRS. ROY
336 Albany, Shreveport

BLUE, MR. CALVIN
625 Jefferson, Lafayette

BOND, MRS. JAMES V.
1308 Iberia St., New Iberia

BOONE, MRS. C. S.
225 Patton, Shreveport

BOSTIC, MRS. THOMAS
Box 305, Lafayette

BOUDREAUX, MISS MAYDEL
Box 6, S.L.I. Station, Lafayette

BOUGERE, MISS LYDIA
2405 Octavia St., New Orleans 15

BOWIE, DR. ELEAZAR R.
5345 St. Charles Ave., New Orleans 15

BRADLEY, MRS. MURTIE C.
225 E. 8th St., Crowley

BRENNER, MRS. FERD
1816 Jackson, Alexandria

BRIGGS, MRS. JAMES T.
239 Pennsylvania, Shreveport

BROADMOOR GARDEN STUDY CLUB (Sustaining)
% Mrs. R. E. White, Pres.
390 Ockley Dr., Shreveport

BROWN, DR. CLAIR A.
1180 Stanford Ave., Baton Rouge

BRUCE, MR. O. F. R.
1619 Prytania, New Orleans

BRYANT, MRS. WAYNE
3651 Greenway, Shreveport

BUFKIN, MR. & MRS. EARL (Sustaining)
Norwood

CAILLET, MISS MARIE (Sustaining)
S.L.I., Box 365, Lafayette

CALDWELL, MRS. SAM S.
230 Ockley Dr., Shreveport

CARVER, MRS. LEON
19 Hopkins St., New Iberia

CASE, MRS. GLADYS C.
Box 159, New Iberia

CLARK, MRS. CHESTER C.
412 Pierre Mont Rd., Shreveport 16

COLQUITT, MRS. WALTER
487 Albany, Shreveport

CONGER, MRS. ED.
Arcadia

CONGER, MR. SIDNEY L.
Arcadia

COURTNEY, MRS. GEORGE A.
RFD 2, Box 244, Lake Charles

COVINGTON GARDEN CLUB
% Mrs. Cecile W. Hebert, Treas.
Covington

CULPEPPER, DR. A. L.
226 Bolton Ave., Alexandria

CURRY, MRS. R. H.
202 Preston, Shreveport

DAUGHENBAUGH, MRS. LYNN L.
1223 N. Cutting Ave., Jennings

*DAVIS, MR. CLAUDE W.
 470 Delgado Dr., Baton Rouge
 DAVIS, MRS. EVERETT
 Box 135, Lafayette
 DAVIS, MR. VERNON L.
 709 Monroe St., Gretna
 DICKINSON, MRS. D. R.
 823 Ratcliff St., Shreveport
 DICKINSON, MR. ED
 1555 Claiborne Ave., Shreveport
 DIDIER, MRS. U. E.
 357 Ockley, Shreveport
 DORMON, MISS CAROLINE
 Saline
 DOZIER, MRS. HERBERT L.
 S.L.I. Station, Lafayette
 DUPLECHAIN, MRS. W. E.
 Rt. 3, Box 128, Lake Charles
 EDMONDS, MR. R. A.
 2011 McCutchen, Shreveport
 EGGER, MRS. H. W.
 256 Patton, Shreveport
 EVANS, MRS. U. B.
 Ferriday
 FERGUSON, MISS BERTHA LEE
 L.S.U., Baton Rouge
 FITZENREITER, MRS. C. F.
 Box 790, Lake Charles
 FLETCHER, MRS. J. L.
 S.L.I., Lafayette
 *GATES, MRS. WILLIAM R. (Sustaining)
 404 Linderman Ave., West Monroe
 GLADNEY, MRS. FRANK
 Box 1106, Baton Rouge 2
 GORTON, MRS. J. M.
 Rt. 4, S. Lake Shore Dr., Shreveport
 GOUAUX, MRS. C. B.
 Box 226, Lafayette
 GREY, MRS. EVELYN
 LeCompte
 GRIFFIN, MRS. J. P.
 Sulphur Mines, Sulphur
 HAMMOND, MRS. M. R.
 240 Marion Dr., Baton Rouge
 HAMMER, MRS. H. G.
 Mansfield
 HARPER, MRS. LAVERNE C.
 (Magnolia State Nursery)
 Rt. 4, Baton Rouge 16
 HARRIS, MR. J. L. (Sustaining)
 1143 Canal Bldg., New Orleans 12
 HERRING, MRS. ROY
 212 E. McCormick, Shreveport
 HESTER, MISS OLIVE
 Box 378, S.L.I. Station, Lafayette
 HEYER, MRS. OWEN
 Box 725, Covington
 HICKS, MISS FRAENELIA
 Box 365, S.L.I. Station, Lafayette
 HIRSCH, MRS. MORRIS A.
 300 S. Main St., Opelousas
 HOLLAND, MRS. E. L.
 341 Ockley, Shreveport
 HOLLEYMAN, MR. G. W.
 3002 Shell Beach, Lake Charles
 HOWARD-TILTON MEMORIAL LIBRARY
 Audubon Place & Feret, New Orleans 5
 HOWE, MRS. J. ED.
 937 Mitchell Ln., Shreveport
 HUGHES, MRS. MAPLE
 Lake Arthur
 HULL, MRS. E. A.
 125 Albany, Shreveport
 JACKSON, MRS. JOE H.
 820 E. Kings Hwy., Shreveport
 KELLEY, MRS. HERBERT V.
 301 West Dr., Baton Rouge 12
 *KERPER, MRS. JOHN F.
 Rt. 1, Box A-158, Pineville
 KURZWEG, MISS SHIRLEY
 Box 363, S.L.I. Station, Lafayette
 KUSHNER, MR. ABE
 710 Common St., Lake Charles
 LaCAZE, MRS. J. G.
 De Ridder
 LAFLEUR, MRS. P. W.
 Melville
 LANFORD, MRS. T. B.
 6602 Gilbert Dr., Shreveport
 LANK, MRS. W. J.
 171 Albert St., Shreveport
 LATIL, MRS. E. E.
 2627 James St., Shreveport
 LEATHERMAN, MRS. E. V.
 920 Main St., Pineville
 LeJEUNE, MRS. ARTHUR
 Kaplan
 LEVINGSTON, MR. WILLIAM
 2608 Shell Beach Dr., Lake Charles
 LIEBER, MRS. ISADORE
 659 Slattery Blvd., Shreveport
 LINER, MRS. HOWARD
 Vienna
 LOEB, MRS. HERBERT
 833 Unadilla, Shreveport
 LOUISIANA STATE UNIVERSITY LIBRARY
 Periodical Dept., Baton Rouge
 McILHENNY, MR. EDWARD A.
 Avery Island
 McINNIS, MRS. JOHN, SR.
 911 Jefferson St., Box 271, Minden
 MACK, MRS. J. GORDEN
 Lake Arthur
 MacMILLAN, MR. W. B.
 Abbeville
 MARINEAUX, MRS. L. H.
 401 Drexel, Shreveport
 MARTIN, MRS. H. GILES, SR.
 5350 Prytania St., New Orleans 15
 MATHEWS, MRS. W. R.
 2120 Amelia Rd., Shreveport
 MESSER, MRS. C. H.
 2321 Fairfield Ave., Shreveport
 MILES, MISS ANNIE A.
 Rt. 2, Box 10, "Ogeedanke",
 Pineville
 MOORE, MRS. W. R.
 2715 Virginia, Shreveport
 MORGAN, MRS. H. TUCKER
 1965 Hiawatha St., Baton Rouge
 MOUNCE, MRS. EDWARD C.
 Donahue Ferry Rd., Rt. 1, Box 86A,
 Pineville
 MYERS, MRS. HILL
 Box 106, Mansfield
 NAGLE, MRS. FREDDIE
 143 Albany, Shreveport
 NELSON, MRS. B. S.
 7319 Panola St., New Orleans
 NELSON, PROF. IRA S.
 Box 36, S.L.I. Station, Lafayette
 NESBITT, MRS. VAUGHN
 113 Merrick, Shreveport
 NOBILE, DR. A. J.
 Lutchter
 PALFREY, MISS LELIA CULLEN
 1808 White St., Alexandria
 PANKEY, MRS. ANNABEL A.
 Vienna
 PATCHIN, MISS ZELMA
 Box 6, S.L.I., Lafayette
 PETERS, MRS. JAMES I.
 444 Boulevard St., Shreveport
 PETITJEAN, MISS IRENE M.
 503 N. Adams Ave., Rayne
 PETTIGREW, MRS. A. W., SR.
 Houma
 PUGH, MRS. W. W.
 Napoleonville
 PURZER, MRS. JOSEPH
 247 Albert, Shreveport
 QUEENSBOROUGH GARDEN CLUB
 % Mrs. J. E. Thompson, Pres.
 3629 Lillian St., Shreveport
 RAINBEAU GARDENS
 (John F. Waguespack)
 106 Berkeley St., Lafayette

RAND, MRS. PAUL KING
 Georges Ln., Alexandria
 RICHARD, MRS. F. F.
 1013 N. Polk, Rayne
 RICHARD, MR. JOE G.
 190 Sunset Blvd., Baton Rouge
 ROBERTS, MRS. J. C.
 Rt. 3, Baton Rouge 16
 ROBERTSON, MR. HAMILTON
 2515 Vance Ave., Alexandria
 ROMERO, MRS. ANDREW
 Marie St., New Iberia
 RUTT, MRS. ANNA HONG
 Faculty Club, Baton Rouge
 SALE, MRS. W. M.
 594 Oneonta, Shreveport
 SAPPINGTON, MRS. V. C.
 209 Pennsylvania Ave., Shreveport
 SARGENT, MRS. A. E.
 1319 Lake Arthur Ave., Jennings
 SARTOR, MRS. E. ALTON, JR.
 546 Unadilla St., Shreveport
 SCOTT, MRS. R. T.
 736 Erie, Shreveport
 SEGURA, MISS PEARL
 140 S. Magnolia, Lafayette
 SEMAR, MRS. HENRY L.
 412 Section St., Rayne
 SHAW, MRS. J. H.
 3520 Curtis Rd., Shreveport
 SHIEHEE, MRS. C. A.
 1547 Creswell St., Shreveport
 SHELTON, MRS. R. L.
 265 Patton, Shreveport
 SHIPP, MRS. LOUISE
 Box 247, Wisner
 SHREVE MEMORIAL LIBRARY
 Shreveport
 SHREVEPORT IRIS SOCIETY (Sustaining)
 % Mrs. V. Nesbitt, Pres.
 113 Merrick, Shreveport
 SHULTZ, MRS. C. C.
 Motor Rt., A. S., Monroe
 SIMS, MRS. J. H.
 132 E. McCormick, Shreveport
 SKOOG, MRS. GROVER
 1539 Magnolia St., Shreveport 18
 SMART, MRS. J. G.
 121 Atlantic Ave., Shreveport
 SMITH, MRS. ALEX
 212 Ockley Dr., Shreveport
 SOUTHWELL, MRS. O. J.
 Hotel Frederic, New Iberia
 STEPHENS MEMORIAL LIBRARY
 Southwestern Louisiana Institute,
 Lafayette
 STEPHENS, MRS. T. P.
 Box 385, Coushatta
 STERN, MRS. EDGAR B.
 11 Garden Ln., New Orleans 18
 SWART, MRS. RENIER
 708 East Blvd., Baton Rouge 10
 THIBAUT, MISS ELMINA
 Napoleonville
 TIERNEY, MRS. R. A.
 2401 Fairfield Ave., Shreveport
 TREGRE, MRS. M. J.
 RFD 1, Box 23, Thibodeaux
 TRICHEL, MRS. LILLIAN HALL (Sustaining)
 811 Kirby Pl., Shreveport 54
 TRIMBLE, MRS. W. E.
 203 N. Ave. K, Crowley
 TRUSTY, MRS. R. A.
 473 Albany St., Shreveport
 VIOSCA, MR. PERCY, JR.
 2490 Dreux Ave., New Orleans 17
 WALLACE, MRS. S. S.
 171 Leo St., Shreveport
 WALTHER, MR. & MRS. S. P.
 Box 41, Gibson
 WEBB, MRS. RAY (Sustaining)
 149 Archer St., Shreveport 64
 WENK, MRS. E. L.
 936 Ontario, Shreveport

WETTERMARK, MRS. ALFRED
 Beauregard St., Alexandria
 WHITWORTH, MR. C. B.
 P. O. Box 396, Shreveport
 WILLIAMS, MISS BLANCHE G.
 Box 467, Bastrop
 WILLIAMS, MRS. FRANK
 3111 S. Grand St., Monroe
 *YOUNG, MR. M. T.
 800 S. Lincoln St., Tallulah
 (April 15-30)
 YOUNG, MRS. ROBERT J.
 205 N. Main St., Abbeville

MAINE

BRADFORD, MRS. HAROLD
 9 Congress St., Belfast
 CHANDLER, MR. DONALD C.
 New Gloucester
 FARRINGTON, MRS. ALBERT R.
 178 Dartmouth St., Portland 5
 GAGE, MR. G. C.
 Rt. 1, North Windham
 *KING, MRS. RUTH
 Rt. 5, Box 33, Augusta
 *McLAUGHLIN, MR. BERNARD W.
 101 Main St., South Paris
 (June 18-25)
 STILES, MISS SUSAN
 State Rd., Falmouth Foreside,
 Portland
 TOBIE, DR. WALTER E.
 3 Deering St., Portland 3

MARYLAND

ANDERSON, MR. W. W.
 8200 Cedar St., Silver Spring
 BOZIEVICH, MRS. JOHN (Sustaining)
 6710 Hillmead Rd., Bethesda 14
 BUNKER, ADM. CHAS. W. O. (Sustaining)
 5312 Moorland Ln., Bethesda 14
 *BUSH, MR. GEORGE CLINTON
 (Magnolia Farm Gardens)
 Freeland (May 15-25)
 CLEMENTS, MR. G. R.
 7 Thompson St., Annapolis
 *DAVIDSON, MR. C. M.
 9208 Flower Ave., Silver Spring
 (May 15-20)
 DAVIS, MR. WILBUR L.
 603 Elmwood Rd., Baltimore 6
 DONOFRIO, MR. P. (Sustaining)
 (Carroll Gardens)
 Box 310, Westminster
 DOUB, MR. M. BERRY
 Rt. 2, Hancock
 EARLE, DR. WILTON R.
 Waters' Gift, Burtonsville
 FINCH, MR. F. IRVIN
 1006 Dale Dr., Silver Spring
 FRANK, MR. AARON D.
 4335 Reisterstown Rd., Baltimore 15
 GRAHAM, MR. G. H.
 RFD 4, Rockville
 HABERKORN, MRS. FRANK
 Nursery Rd., Linthicum Heights
 HARNED, MR. H. H.
 34 Green St., Oakland
 HARRIS, MR. GORDON L.
 Royal Oaks
 HODGSON, MRS. FRANCIS C.
 3334 Gilman Terrace, Baltimore 11
 KEISTER, MISS H. DEBORAH
 9209 Kingsbury Dr., Silver Spring
 LAMBERT, MRS. BARRON P. (Sustaining)
 Eccleston
 *MATHER, MR. GEORGE
 Westminster (May 20)
 MEEDS, MR. NELSON T. (Sustaining)
 8701 Old Bladensburg Rd., Silver
 Spring

MONTAGUE, MR. RICHARD L. (Sustaining)
 734 Anneslie Rd., Baltimore 12
 MT. WASHINGTON GARDEN CLUB
 1802 Dixon Rd., Baltimore 9
 NIFONG, MR. SAMUEL L. (Sustaining)
 4414 Chestnut St., Bethesda 14
 NISONGER, MR. AUSTIN
 9218 Old Bladensburg Rd., Silver
 Spring
 ORGANIC GARDENS (Sustaining)
 (J. A. Johnson)
 Fullerton
 PAGE, MR. CHESTER H.
 11312 Old Bladensburg Rd., Silver
 Spring
 PAGE, MRS. ROBERT J. (Sustaining)
 8910 Green Tree Rd., Bethesda 14
 RICHMOND, MR. IVAN (Sustaining)
 9200 Flower Ave., Silver Spring
 RICHTMYER, MRS. NELSON K.
 7117 Marion St., Bethesda 14
 STILES, MR. GEORGE J.
 3227 Milford Ave., Baltimore 7
 WARWICK, MR. HARVEY
 7410 Bradley Blvd., Bethesda
 WATKINS, MR. HOWARD H.
 309 Cumberland Ave., Chevy Chase

MASSACHUSETTS

ARMS, MR. C. S.
 12 Beechmont St., Worcester
 ATHERTON, MR. DANIEL
 124 High St., Ipswich
 BAGG, MRS. A. C. (Life)
 72 Fairfield Ave., Holyoke
 BAKER, MRS. E. CARLISLE
 73 Walnut Hill Rd., Chestnut Hill 67
 BARKER, MR. M. J. (Sustaining)
 458 California St., Newtonville 60
 BARTHOLOMEW, MR. FRED D.
 120 Summer Ave., Reading
 BARTHOLOMEW, MRS. HAZEL D.
 35 Pine Grove St., Milton
 *BARTHOLOMEW, MR. & MRS. JOHN A.
 35 Pine Grove St., Milton
 *BARTON, MRS. THELMA GREENWOOD (Sustaining)
 15 Minot St., Gardner (June 15)
 BENOIT, MR. ARMOND A. (Sustaining)
 5 Congress St., Worcester 2
 BERRY, MR. FRED M.
 190 Walnut St., Saugus
 BISHOP, MRS. HAROLD W.
 Western Ave., Essex
 BISHOP, MR. HAROLD W.
 Western Ave., Essex
 BOBICK, MR. CHARLES L.
 453 Mill St., Worcester
 BOMMER, MRS. A. M.
 37 Woburn St., Medford 55
 BROOKS, MRS. CHARLES R.
 214 N. Franklin St., Holbrook
 *BROWN, DR. G. PERCY
 Central Village P. O., Westport
 (June 6-18)
 BROWN, MRS. HERBERT BENJAMIN
 36 Strathmore Rd., Wakefield
 BROWN, MRS. J. H.
 15 Shaw St., West Newton 65
 BROWN, DR. J. H.
 15 Shaw St., West Newton 65
 BROWNE, MRS. PERCY G. (Sustaining)
 95 Freemont St., Winthrop 52
 BUCKLEY, MR. JAMES T.
 9 Gardner St., Newton 58
 BUTTRICK, MRS. STEDMAN, JR.
 Liberty St., Concord
 BUTTRICK, MR. STEDMAN (Life)
 Liberty St., Concord
 CARRUTH, MISS LOUISE
 354 Brook St., Worcester
 CARY, MRS. RALPH H.
 36 Pilgrim Rd., Marblehead
 CASTELLI, MRS. J.
 194 Lowell St., Lexington

CHALEKI, MRS. HELEN
 13 Windsor Ave., Auburn
 CLEVERLEY, MRS. CLYDE C.
 Wood St., Hopkinton
 COMBES, DR. J. DeRAISMES
 Sheffield
 COREY, MRS. P. E. (Sustaining)
 707 Pearl St., Reading
 CORWIN, DR. WILLIAM
 95 State St., Springfield
 CRAGG, DR. GRACE T.
 Box A, Harding
 CREELMAN, REV. ALLAN D.
 North Scituate
 CROWELL, MR. CHRISTIE B.
 30 B. School St., Middleboro
 CROWLY, MR. J. EDWARD
 142 High St., Reading
 DANE, MRS. ERNEST B. (Life)
 Roughwood, Chestnut Hill
 DAVIS, MRS. BERTHA Y.
 664 Grove St., Worcester
 DAVIS, MR. RUSSELL W.
 674 Grove St., Worcester 5
 DEERING, MRS. C. M.
 North Grafton
 DICKEY, MR. GEORGE W.
 475 South St., Waltham
 DUNN, REV. DANIEL F.
 26 Lawrence Ave., Dorchester 21
 DUPEE, MRS. NORMAN E.
 80 Dorset Rd., Waban
 DUPREY, MRS. P. H.
 37 Kenwood Ave., Worcester
 DURKEE, MISS ELIZABETH
 2 Lorian Ave., Worcester
 DURKEE, MISS GLADYS A.
 799 W. Boylston S., Worcester 6
 DUTELLE, MR. PAUL E.
 12 Turner St., Newtonville
 ELLIOTT, MRS. R. R.
 85 Highland Ave., Winchester
 EMORY, MRS. HERBERT P.
 572 Burncoat St., Worcester 6
 FARNSWORTH, MR. GEORGE H.
 72 Walnut St., Arlington 74
 FARNSWORTH, MRS. GEORGE H.
 72 Walnut St., Arlington 74
 FOLEY, MRS. AGNES H.
 36 Manning St. Roslindale
 FOSTER, MR. RICHARD A.
 46 Bay State Rd., Belmont 78
 FOSTER, MRS. RICHARD A.
 46 Bay State Rd., Belmont 78
 FRAIM, DR. IRVING W.
 99 Claremont St., Waltham 54
 FRAIM, MRS. IRVING W.
 99 Claremont St., Waltham 54
 FRASER, MR. HERBERT C.
 48 Eldredge St., Newton 58
 FROTHINGHAM, MRS. L. A. (Life)
 North Easton
 GAMPOLINI, MRS. JOSEPH
 65 Westwood Rd., Medford 55
 GILES, MRS. WINIFRED
 54 Westwood Rd., Medford 55
 GOODFELLOW, MR. A. Z.
 Box 464, Fitchburg
 GOODSPEED, MR. CHARLES E.
 Farandnear, Center Rd., Shirley
 GOULET, MR. ANTHONY
 69 Palmer St., Fall River
 GOW, MRS. ROBERT
 331 South St., Oxford
 GREEN THUMB GARDEN CLUB
 % Mrs. Earl L. Martin, Pres.
 162 Allston St., Medford 55
 GRIST, CAPT. CECIL A.
 Box 535, Buzzards Bay
 HADLEY, DR. R. V.
 Box 288, Westboro
 HAMBLIN, MR. STEPHEN F. (Life)
 45 Parker St., Lexington

HANNAFORD, MRS. DOROTHY E.
 1 Nelson St., Upton
 HARRISON, PROF. JAMISON R.
 8 Page Rd., Bedford
 HARTSHORNE, MRS. EDITH F.
 19 Lafayette St., Wakefield
 HARTSHORNE, MR. RICHARD G.
 19 Lafayette St., Wakefield
 HOLTER, MR. N. F.
 23 Brighton Rd., Worcester
 HOUGHTON, MRS. CLEMENT S. (Life)
 152 Suffolk Rd., Chestnut Hill
 HOWE, MR. OLIN R., JR. (Sustaining)
 445 Concord St., Holliston
 HUGHES, MRS. WAYNE E.
 110 Main St., Hopkinton
 HUGHEY, MR. ROBERT K.
 37 Whitney St., Saugus
 INMAN, MR. C. M.
 21 Germain St., Worcester
 JENKINS, MR. THORNTON (Sustaining)
 West Barnstable (May 5-June 10)
 JOHNSON, MR. CHARLES A. (Sustaining)
 63 Central Ave., Medford (June 5-18)
 JOHNSON, MRS. CHARLES A.
 63 Central Ave., Medford (June 5-18)
 JOHNSON, MRS. ROBERT L.
 163 Green St., Athol
 KANELA, MRS. STEPHEN C.
 201 Main St., Walpole
 KEEFE, MR. FRANCIS M.
 75 Berkshire St., Indian Orchard
 KEEGAN, MRS. JAMES L.
 Imperial St., Lanesboro
 KENNEDY, DR. HARRIS (Life)
 % Prof. Merrit L. Fernald
 Gray Herbarium, 79 Garden St.,
 Cambridge
 KIRKHAM, MR. WILLIAM B. (Life)
 220 State St., Springfield 5
 KIRKPATRICK, MRS. M. R.
 7 Everett St., Stoneham 80
 KNOWLTON, MRS. HAROLD W. (Sustaining)
 32 Hancock St., Auburndale 66
 KNOWLTON, MR. HAROLD W. (Sustaining)
 32 Hancock St., Auburndale 66
 KNOWLTON, MR. WILLIAM P. (Sustaining)
 Cotuit Rd., RFD, Marstons Mills
 LEARY, MR. GEORGE
 Providence Turnpike, RFD, Millbury
 LORDAN, MRS. MARGARET T.
 77 Sheridan Ave., Medford 55
 LOW, MR. FRANKLIN E.
 17 Bradshaw St., Medford 55
 LOWRY, MRS. FRANKLIN P.
 62 Walnut Park, Newton 58
 LOWRY, DR. FRANKLIN P.
 62 Walnut Park, Newton 58
 LUND, MRS. FREDERICK B. (Sustaining)
 222 High St., Medford 55
 LYONS, MISS AGNES T.
 Andover Rd., Billerica
 McKEE, MR. ROBERT C., JR.
 53 Beechmont St., Worcester
 McKEE, MR. W. J. (Life)
 45 Kenwood Ave., Worcester
 McKEE, MRS. W. J., JR.
 240 Moreland St., Worcester
 MAINVILLE, MR. JOSEPH M.
 Box 161, Rochdale
 MASSACHUSETTS HORTICULTURAL SOCIETY,
 LIBRARY
 Horticultural Hall, 300 Massachusetts
 Ave., Boston 15
 MERRY, MR. PERCY I.
 109 Brookside Rd., Needham 92
 MERRY, MRS. PERCY I.
 109 Brookside Rd., Needham 92
 MERWIN, MRS. EDWARD P.
 Main St., Stockbridge
 MILLER, MISS MILDRED A.
 148 Hancock St., Cambridge
 MINOT, DR. GEORGE R.
 71 Sears Rd., Brookline
 MOORE, MRS. ALBERT J.
 9 Lowell St., Andover
 MORAN, MRS. ELINOR
 6 Rockwell Ave., Medford 55
 MURDOCK, MISS ELANOR L.
 Main St., East Templeton
 MURRAY, MR. HENRY (Life)
 Cambridge Turnpike, Concord
 NATALE, MR. WILLIAM A.
 114 Pleasant St., Winthrop 52
 NEMICCOLO, MR. AMERICO
 Glenview Farm, Glen St., Marlboro
 NESMITH, MRS. THOMAS A. (Life)
 166 Fairmount St., Lowell
 NEWHALL, MR. MILO A.
 20-22 Central St., Salem
 O. B. IRIS CLUB (Sustaining)
 % Arthur W. Westling
 Pullman Standard Car Mfg. Co.,
 Worcester
 PAINE, MR. ROBERT T. (Sustaining)
 10 State St., Boston 9
 PALMER, MR. EDWIN L.
 434 Medford St., Malden 48
 PECK, MR. ALBERT E.
 81 Arlington St., Framingham
 PERKINS, MR. ALBERT E.
 171 Magazine St., Cambridge
 *PERKINS, MRS. K. A.
 22 Hayden Rd., Saugus
 PERRY, MR. RICHARD (Sustaining)
 10 Post Office Square, Boston
 PRIDE, MR. GEORGE H.
 4 Linwood St., Worcester
 PUTNAM, MISS MARY
 51 Albion St., Melrose
 REUTHER, MR. HENRY C.
 48 Chapel St., Northampton
 RICE, MR. DAVID K.
 44 Hardy Pond Rd., Waltham 54
 RICE, MR. M. ROBERT (Sustaining)
 17 Vestry St., Beverly
 SAINT AMAND, MR. ALPHONSE (Sustaining)
 217 Lincoln St., Worcester
 SAMPSON, MR. JOHN S.
 96 Appleton St., Arlington 74
 SHAW, MISS EMILY B.
 29 Dean St., Attleboro
 SHAW, MRS. FRED E.
 18 Cushing St., Medford 55
 SHAYLOR, MR. C. M.
 94 School St., Agawan
 *SHEEHAN, MRS. H. A.
 56 Willet St., Wollaston 70
 SHELELUK, MR. JOE E.
 61 Rodney St., Worcester
 SHEPHERD, MRS. L. B.
 16 Northumberland St., Springfield 9
 SHUTER, MR. JOHN A.
 97 Edgewood Ave., Methuen
 SIESWERDA, MR. JOHN K.
 78 Glen Rock Ave., Malden
 SIESWERDA, MRS. JOHN K.
 78 Glen Rock Ave., Malden
 SMITH, MRS. C. GROVER
 75 Terrace Rd., Medford 55
 SMITH, MR. CHARLES HUNTINGTON
 28 Dana St., Amherst
 SMITH, MRS. FRANK
 32 Cedar St., Worcester
 STARKEY, MRS. HAROLD H.
 219 Walton St., Fitchburg
 STONE, MR. K. W.
 Ashby
 STONE, MR. LEROY C.
 36 Elm St., Melrose 76
 STONEHAM GARDEN CLUB
 Mrs. Charles A. Dyson, Pres.
 10 Dean St., Stoneham 80
 SPURR, MRS. SHIRLEY G.
 36 Cedar Park, Melrose 76
 SULLIVAN, MRS. J. B., JR.
 511 Chestnut Hill Ave., Brookline

TAYLOR, MR. E. H.
33 Old Upton Rd., Grafton
TAYLOR, MR. EUGENE A.
101 N. Main St., Sharon
TEELE, MRS. ARTHUR P.
100 Walnut Pl., Brookline 46
THURLOW, REV. EDWARD K.
Christ Church, Sheffield
TIBBETTS, MR. ARTHUR F.
2 Magnolia St., Concord
TOWNE, MRS. MARGIE
7 Sunset Ave., Athol
WARE, MRS. AMY G.
146 Franklin St., Stoneham 80
WEIDNER, MR. & MRS. EARL R.
(Sustaining)
795 Salem St., Malden 48
WHEELER, MR. W. A. (Sustaining)
832 Concord St., Framingham
WESTMEYER, MRS. T. R.
Forest St. at Bonard Rd., Stoneham
WISEMAN, MR. ELTON J.
787 Chestnut St., Waban 68
WORCESTER CO. HORTICULTURAL SOCIETY
15 Chestnut St., Worcester

MICHIGAN

*ACKERMAN, MR. JAY C. (Sustaining)
1526 Drexel Rd., Lansing 15
(May 26-June 4)
ANTHONY, MRS. A. E.
405 Orchard St., Dowagiac
*ARMIGER, MRS. HARRY L.
26368 Yorke Rd., Huntington Woods
ASHLEY, MR. R. V.
168 Grand Blvd., Battle Creek
AZER, MR. BENNETT S.
Mio
BACKUS, MRS. STANDISH (Sustaining)
725 Lake Shore Rd., Grosse Pointe
Shores 30
BACON, MR. CARL R.
Rt. 5, 8619 M. L. Ave. E.,
Kalamazoo 85
BARTON, MRS. W. H.
Box 333, East Lansing
BARTON, MR. W. H.
Box 333, East Lansing
BAXTER, MRS. JANE CRAIG (Sustaining)
21942 Berg Rd., Detroit 19
BENDER, MRS. A. W.
715 Washington Rd., Grosse Pointe 30
BERG, MRS. R. O.
19320 Afton Dr., Detroit 3
BEYERLE, MR. HENRY J.
7691 Penrod Ave., Detroit 10
BLAINE, MRS. ALBERT
8746 Orangelawn Ave., Detroit 4
BLOESE, MR. A. F.
Box 787, Rt. 4, Battle Creek
BLOESE, MR. JACK H.
(Jardin Des Iris)
Battle Creek
BOLD, MR. L. E.
(Brook Crest Iris Gardens)
Rochester
BOWEN, MR. W. G.
26200 Mary, Rt. 5, Inkster
BRAYTON, MR. SHIRLEY
Mio
*BRIGGS, MR. JOHN L.
2316 March St., Kalamazoo 26
BROWN, MR. J. NELSON
1214 Griswold Bldg., Detroit 26
BROWN, MRS. W. A.
916 Suffield, Birmingham
BURTON, MRS. CHARLES W.
19440 Afton Rd., Palmer Woods,
Detroit 3
CAMPBELL, MRS. FREDERICK W.
41 Beverly Rd., Grosse Pointe
Farms 30

CHURCH, MRS. CLAIRE MacDONALD
15343 Glastonbury Rd., Detroit 23
COSGROVE, MRS. HOWARD
803 Grove St., Petoskey
*COUCHMAN, MR. WILLIAM L. (Sustaining)
24303 Hass St., Rt. 3, Dearborn
(May 23-June 5)
CRONIN, MR. ARTHUR B.
P. O. Box 27, 221 Lake St., Dept. o
Conservation, Roscommon
CROSBY, MRS. EDWIN R. (Sustaining)
2110 Lapeer St., Flint 3
CURTIS, MRS. G. C.
RFD, Eau Claire
DARE, MR. FRED F.
(Dare's Gardens)
15379 Chatham, Detroit 23
DAVIDSON, MR. FRED
425 Webster St., Traverse City
DAVIS, MRS. C. M.
12 Edison St., Pontiac 15
DAVIS, MR. JOHN G.
15410 Evergreen Rd., Detroit 23
DETROIT IRIS SOCIETY
% McGregor Library, Highland Park 3
DETROIT PUBLIC LIBRARY
5201 Woodward Ave., Detroit 2
DICKERSON, MR. B. A.
Constantine
DITTMAN, MR. W. JAY
16721 Kentfield Ave., Detroit 19
DOUB, MRS. SUSAN (Sustaining)
22412 LeFever, Van Dyke
ENGLERTTE, MRS. LAWRENCE D.
4652 S. Division Ave., Grand Rapids
EWING, MRS. T. A.
Box 558, Rt. 1, Rochester
FAIRMAN, MR. EARL A.
432 Lafayette St., Flint 3
FLETT, MRS. R. O.
Millington
GARDEN LIBRARY OF MICHIGAN
% Mrs. F. J. Schumann, Treas.
Belle Isle, Detroit 7
GARIEPY, MR. JOHN R.
14469 Fordham Ave., Detroit 5
GARN, MRS. RUSSELL
340 44th St., S. E., Grand Rapids
GRAY, MISS NELLIE (Sustaining)
Box 213, Port Huron
GREENE, MR. A. E. (Sustaining)
517 Oswego St., Ann Arbor
GREMINGER, MR. GEORGE C.
1720 Quentin St., Lansing
GRIFFITTS, MR. C. H.
1507 Charlton Ave., Ann Arbor
GRUNAU, MRS. ISABEL M.
615 Lafayette Ave. W., Detroit 31
GUYAS, MR. ANDREW J.
3804 Griffith, Berkley
HALL, MR. CHARLES H.
16855 Pinehurst Ave., Detroit 21
HARRISON, MRS. WILLIAM E.
Box 622, 119 W. Tacoma, Clawson
HAWKINS, MR. HARRY L. (Sustaining)
243 Dutton St., Eaton Rapids
HIBBARD, MR. CHESTER
17750 Inkster Rd., Detroit 10
HUGHES, MR. FRANCIS
14865 Ward, Detroit 27
IRISARIANS OF GREATER GRAND RAPIDS
(Life)
% Mrs. M. D. Hoogesteger
64 Burton St., S. W., Grand Rapids
JOHNSON, MRS. CARL N.
489 E. Montcalm St., Pontiac
JONES, MR. L. E.
2855 Buchanan Ave., S. W., Grand
Rapids 8
KENDALL, MRS. L. W.
24700 W. Ten Mile Rd., Birmingham
KOELLA, MRS. TED, JR.
1845 Woodland, S. L., Pontiac 19

KOSKI, MR. TOINI
Rt. 1, Houghton
LIPSCOMB, MRS. ERNEST T.
1535 Fairway Dr., Birmingham
LITTLE, MRS. W. M.
RFD, Berrien Center
McCUNE, MRS. ALLAN
106 Arlington Ave., Petoskey
MARSH, MR. JOHN D.
553 E. Bernhard St., Hazel Park
MAXWELL, MRS. DAISY L.
11093 Baraga Rd., Dearborn
MIO IRISARIANS CLUB
% Mrs. Florence Bishop
West Branch
MASON, MR. LYNN B.
423 W. Cedar St., Kalamazoo
MAXFIELD GARDENS
1840 Maxfield Dr., Milford
MOON, MRS. PAUL S.
1440 Clinton St., Muskegon
MORGAN, MR. CHARLES (Sustaining)
2106 Missouri Ave., Flint
*MORGAN, MR. GEORGE P.
3211 Grant St., Saginaw, S. S.
(June 1-14)
MORSE, A. B., COMPANY
Ship & Court Sts., St. Joseph
NAAS, MRS. C. W.
2243 Virginia Park, Detroit 6
NEUENSCHWANDER, MR. ALFRED
(Kenwood Gardens)
524 Nahma Ave., Clawson
O'CONNOR, MR. M. LEO
16126 Griggs Ave., Detroit 21
OSBORN, MISS RUTH
130 Lawrence Ave., Detroit 2
OSWALD, MRS. WILLIAM
1070 E. Pierson Rd., Flint
PALMER, MR. CHARLES E.
2744 Kimberly Rd., Ann Arbor
PALMER, MRS. MYRA D.
Rt. 1, Constantine
PLACE, RUTH MOSHER
813 Miller Rd., Ann Arbor
PRAY, MRS. F. F.
310 Steward Ave., Jackson
PRESCOTT, MR. C. S. (Sustaining)
Lyncott Addition, North Muskegon
PRESTON, MRS. ROBERT S.
4650 Draper Rd., Jackson
PUTNAM, MRS. H. B.
RFD 2, Northville
RAWSON, MR. JESSE
Michigan State College, 431
Hawthorne Apt. D, East Lansing
READ, MR. J. T.
2341 Francis Ave., S. E., Grand
Rapids 7
ROBINSON, MR. F. W.
390 E. Grand Blvd., Detroit 7
ROBINSON, MRS. GEORGE D.
Rt. 7, Box 196, Battle Creek
ROSECRANCE, MR. J. L.
14997 Bringard Dr., Detroit 5
RUSSELL, MRS. ERNEST A.
20 Avery St., Battle Creek
SAVAGE, MRS. PHILIP J.
Rt. 2, Romeo
*SAVAGE, MR. V. N.
411 Prairie Rd., Comstock
(May 25-June 5)
SAVERY, DR. DON B. (Sustaining)
8630 Chilson Rd., Brighton
*SCHUMAN, MRS. DIANA (Sustaining)
22219 Telegraph Rd., Detroit 19
(May 25-June 10)
SHANTZ, MR. ERNEST L.
Fairview Creamery, Fairview
*SHAPIRO, MRS. HAZEL LAWRENCE
(Sustaining)
11107 Cloverlawn, Detroit 4
SHINNICK, MRS. FRED M.
1170 Pilgrim Ave., Birmingham

STAHL, MR. FRANK J. (Sustaining)
308 West St., Dowagiac
STEWART, MR. A. W.
9386 Littlefield, Detroit 27
*STONEBURNER, MRS. WILLIAM
Rt. 3, Paw Paw
*STREIBICH, MR. CHARLES M.
Windridge Farm, RFD 6, Box 953,
Battle Creek
SULLIVAN, MR. FRANKLIN S.
31805 Bond Blvd., Farmington
TAWAS CITY GARDEN CLUB
Box 111, Tawas City
THOMPSON, MRS. ARTHUR W.
7121 Wendell Ave., Dearborn
VAN RIPER, MR. WAYNE
Haslett
VAN SLYKE, MRS. M. E.
Box 587, Farmington
WALKER, MRS. FLORENA
Mio
WARREN, MRS. BENJAMIN S.
655 Lake Shore Rd., Grosse Pointe
Shores 30
*WEBBER, MRS. RICHARD H. (Sustaining)
437 Lake Shore Rd., Grosse Pointe
Farms 30
WELCOME, MRS. CHARLOTTE
Oscoda
*WELLMAN, MRS. CHARLES P.
Bellaire (Antrim Co.) (June 10-20)
WILSON, MRS. GRACE
139 Banner S. W., Grand Rapids 7
WYCKOFF, MRS. LOYD R. (Sustaining)
29830 Franklin Rd., Rt. 5,
Birmingham

MINNESOTA

ALBRECHT, MR. HAROLD
Belle Plaine
ANDERSON, MRS. ELIZABETH
RR 2, St. Paul 6
BERGER, MRS. HAROLD L.
2236 E. 42nd St., Minneapolis
BLOOMQUIST, MR. A. W.
Rt. 10, White Bear Lake 10
BRAGG, MRS. HARRY J.
236 Tindolph Ave., N., Thief River
Falls
*BURNS, MR. & MRS. N.
1706 N. Queen, Minneapolis
CARRIER, MR. JACK R.
3641 Inglewood Ave., Minneapolis 16
CLEARY, MRS. JULIA E.
1939 N. Lexington, St. Paul 8
COLLINS, MRS. LYDIA E.
Rice
CROSS, MR. FRANK E.
Savage
DION, MRS. ARTHUR J.
1400 E. 98th St., S., Rt. 3,
Minneapolis
DULUTH PEONY & IRIS SOCIETY
% Mrs. Oscar A. Anderson
909 Arrowhead Rd., Duluth 3
ELLIS, MR. JOHN W.
2020 Grand Ave., St. Paul 5
ESKE, MRS. A. E.
420 Armstrong Ave. N., Litchfield
FOLKERS, REV. PAUL E.
215 E. Main St., Owatonna
FRITTS, MRS. ELMER A.
1202 Carney Ave., Mankato
GABLE, MR. G. B. (Sustaining)
2543 38th Ave. S., Minneapolis 6
GARDEN STUDY CLUB
% Mrs. W. L. Broman
824 W. 5th St., Willmar
GIBBS, MR. THOMAS A.
5100 39th Ave., S., Minneapolis 17
GIBSON, MR. A. P.
301 W. 102nd St., S., Minneapolis 9

GUTTMAN, MISS ALICE A.
539 Nicollet Ave., Mankato
HAGEN, MRS. ELIZABETH PAYNE
Belview
HEDGES, MR. G. E.
4011 Vincent Ave. N., Minneapolis 12
HOLMBERG, MR. J. L.
Box 45, Atwater
*HUEPFEL, MRS. MATT
Springfield
JOBS, MRS. ELLIOTT
Barrett
KLAPOTZ, MR. C. C.
Rt. 1, Wayzata
KLUGE, MISS PATRICIA
1010 Fairmount Ave., St. Paul 5
KOPISCHKE, MRS. WALTER
Lester Prairie
LINDGREN, MISS SIGRID
360 Park Ln., South St. Paul
McDONALD, MRS. W. H.
339 South Mill St., Redwood Falls
MINKS, REV. E. W.
RFD 1, Box 87, Minnesota Lake
MOHN, MR. ERWIN
Box 245, Rochester
NELSON, MRS. HANNAH E.
Box 88, Atwater
PETERSON, MRS. WILLIAM
3731 Oliver Ave. N., Minneapolis 12
POOLER, MR. HAROLD V.
3120 43rd Ave. S., Minneapolis 6
RECTOR, MR. E. W.
909 Allen Ave., West St. Paul
RIDDER, MR. BERNARD H. (Sustaining)
1033 Lincoln Ave., St. Paul 6
SAUGSTAD, MR. J.
Box 598, Crookston
THOMFORDE, MR. HAROLD
Box 372, 841 Groveland Ave.,
Crookston
THOMPSON, MRS. J. F.
529 Woodland Ave., Duluth 5
TOPPING, MRS. A. (Sustaining)
28 West Robie St., St. Paul 7

MISSISSIPPI

ANDREWS, MRS. W. C. (Sustaining)
Sardis
ARMSTRONG, MRS. J. H., JR.
Box 51, Vaiden
AVENT, MRS. J. K. (Sustaining)
Grenada
BAKER, MRS. DON R.
Leland
*BANKS, MR. R. N. (Sustaining)
Hollywood
BARBOUR, MISS M. E.
Box 285, Vicksburg
BEERS, MRS. EDITH ROSE
725 Second Ave., Laurel
BENNETT, MRS. CLAUDE
Stafford Springs
BLALOCK, MRS. E. B.
Box 202, Como
*BUCHANAN, MRS. N. B.
Madison St., Tupelo (April 25)
CALDWELL, MRS. E. C.
Box 155, Pontotoc
CAMPBELL, MR. W. B. (Sustaining)
406 Maple St., Clarksdale
COUTY, MRS. C. E.
501 River Rd., Greenwood
CRABILL, MRS. W. A.
Marks
CUNNINGHAM, MR. HALBERT
Crawford
DeSHAZO, MRS. CLAUDE
1415 Jefferson Ave., Oxford
DOUGLAS, MR. J. T.
Macon
DOUGLAS, MRS. OSCAR
Oxford

FARLEY, MRS. W. H.
1310 Jefferson Ave., Oxford
FEEMSTER, MRS. LUCIEN CARL
321 N. Green St., Tupelo
FRIEDMAN, MRS. MORRIS
401 Lynn St., Clarksdale
GARST, MRS. P. E.
Silver City
*GEE, MRS. C. H.
1239 Poplar St., Grenada
GRAEBER, MRS. L. A.
Marks
GRAHAM, MRS. CLYDE C. (Sustaining)
Coahoma
GREEN, MRS. SID
Rt. 3, Box 125A, Philadelphia
GREENWOOD GARDEN CENTER
% Mrs. A. B. Archer
Greenwood
THE GRENADA IRIS CLUB
% Mrs. J. W. Jordan, Pres.
776 S. Line St., Grenada
HARRELL, MR. JAMES D.
1608 Edgewood St., Jackson 31
HARRELSON, MRS. J. W.
Grenada
*HILL, MRS. J. WILL
363 Kershaw St., Grenada
HOLLINGSWORTH, MR. D. G.
1605 Robinson St., Jackson
HUNT, MRS. S. M.
900 South Blvd., Greenwood
JORDAN, MR. G. E.
1503 Chambers St., Vicksburg
KEETON, MRS. J. B.
114 Snider St., Grenada
LAMBDIN, MRS. S. H.
Edgewood Plantation, Rt. 2, Natchez
LAMBERT, MRS. O. W. (Sustaining)
% Delta Court, Clarksdale
LAMPTON, MRS. THAD B. (Sustaining)
1515 N. State St., Jackson 31
LANGFORD, MRS. H. C.
Marks
LATIMER, MRS. MURRAY
Clinton
LAUREL IRIS SOCIETY
% Mrs. J. J. Mundell
Laurel
LEDBETTER, MRS. L. R.
3720 Parkview St., Vicksburg
McCLANAHAN, MR. D. S. & SON
Columbus
McCORMICK, MRS. G. F.
Box 694, Greenwood
MACGOWAN, MRS. CLIFFORD (Sustaining)
1702 N. State St., Jackson
MOREHEAD, MRS. T. G.
RFD, Dundee
PAGE, MRS. J. C.
Sardis
POWER, MISS MINNIE
Weir
REHRER, MR. J. FRANK
Rt. 8, Leavel Woods, Jackson
REVELL, MRS. T. B., JR. (Sustaining)
334 Third St., Grenada
RUBEL NURSERIES (Sustaining)
(M. F. Rubel, Pres.)
Corinth
SAWYER, MRS. REUBEN
Box 11, Coahoma
SELF, MRS. P. M. B. (Sustaining)
Marks
SHEWMAKE, MRS. W. D.
611 E. Claiborne St., Greenwood
SMITH, MRS. B. K.
Jonestown
SMITH, MRS. GLENN W.
2332 N. 3rd Ave., Laurel
SMITH, MISS MYRA V.
Box 215, Natchez
SUTHERLAND, MRS. HUGH
Bethany Plantation, Itta Bena

TUCKER, MRS. EMMA SUE (Sustaining)
Box 447, Oxford
TURNER, MR. H. V.
Medical Arts Bldg., Greenville
VARNADO, MRS. MAUD E.
Natchez General Hospital, Box 520,
Natchez
WADDELL, MRS. H. M.
Rt. 1, Box 660, Clarksdale
WAMBLE, MRS. A. F.
201 Edgewood Ave., Greenwood
WEST, MRS. NOLAN F.
Box 184, Sardis
WORLEY, MRS. D. M.
Sumner

MISSOURI

AHRENHOERSTERBAEUMER, MR. CARL
6212 Marmaduke Ave., St. Louis
ALLEN, MRS. MAYME
7212 Lindenwood Pl., St. Louis 9
APPEL, MR. ELLSWORTH (Sustaining)
6538 Marmaduke St., St. Louis 9
ARMSTRONG, MR. ROBERT E.
Neosho
BAIRD, MRS. W. E.
4925 College, Kansas City 4
BARNES, MR. EDGAR A.
W. 12th & Schifferdicker, Joplin
BARROW, MRS. DONALD
Clarksdale
BASCH, MRS. HILDA
479 Ridge Ave., Webster Groves 19
BECHERER, MR. JOS. C.
4809 Hamburg Ave., St. Louis 23
*BENSON, MR. CLIFFORD W.
1201 Verl Pl., St. Louis 14
BLACK, MR. GURDON G.
10 Dromara Rd., Clayton 5
BLAIR, MRS. MINNIE
2026 Virginia Ave., Joplin
BLANCHARD, MR. JAY L.
1201 E. Jefferson St., Kirksville
BLOCK, MR. JOHN
Rt. 1, Sarcoxie
BORLINGHAUS, MR. LOUIS, JR.
6420 Raywood Ave., Affton 23
BOTHWELL, MISS LUCY
Bothwell Lodge, RFD 4, Sedalia
BOWMAN, MRS. F. HAROLD
519 Cedar, Kansas City 3
BOYD, MR. A. S., JR.
901 Kent Rd., St. Louis 24
BRANSON, MR. JOSEPH M.
4228 E. 61st St., Kansas City 4
BRAY, MRS. CYRILL R.
Rt. 1, St. Joseph
BRIGGS, MRS. LORA MAYE
426 W. Coler St., Neosho
BROOKS, MR. ARTHUR
1101 E. Broadway, Joplin
*BROOKS, MRS. MAC
Box 312, Ava
BROWN, MRS. EDMUND F.
601 S. 4th, Columbia
BROWN, MR. HARRY S.
1234 Cherry St., Springfield
BROWN, MRS. LENA L.
209 W. 38th St., Kansas City 2
BRUERER, MRS. R. A.
Hermann
BRUMMET, MRS. FRED
1700 S. Missouri, Sedalia
BRYANT, MRS. PASCAL
300 S. College, Nevada
*BRYSON, MRS. VERNIE GOFF (Sustaining)
1217 E. 2nd St., Joplin
BUDER, MISS LILY
3509 Brown Rd., St. Louis 21
BUNTING, MRS. MARGARET S.
1204 Buckner Pl., St. Louis 14
BURNS, MISS DIANE
1831 Porter Ave., Joplin

BURRUS, MR. & MRS. FLOYD
911 Truman Rd., Independence
BUTTERFIELD, MRS. H. G.
612 Islington Pl., Joplin
*BUXTON, MRS. WALTER H.
817 S. Sappington Rd., Webster
Groves 19
BYOUS, MR. E. A.
Rt. 5, St. Joseph
CALLIS, MRS. ELLA W. (Sustaining)
(Wild Rose Iris Garden)
Rt. 5, St. Joseph
CAMPBELL, MRS. JAMES E.
639 Jaccard Pl., Joplin
CARLIN, MRS. ETTA MAE
Supt. of Childrens Home, Joplin
CARLSON, MR. C. RAY
2401 Wall St., Joplin
CARTER, MRS. C. L. (Sustaining)
700 S. Beacon, Sedalia
CHALMERS, MRS. MARGARET W.
Rt. 1, Eureka
CHAPEL, MRS. F. J.
1001 W. High St., Jefferson City
CHEESMAN, MRS. W. M.
Box 82, Rockport
CHITWOOD, MRS. EVERETTE R.
2625 E. 8th St., Joplin
*CHRISMAN, MR. MARVIN
La Russell
CLARK, MISS KATHERINE
1909 Moffet Ave., Joplin
CLAYPOOL, MRS. Z. B.
RFD 9, Box 605, Springfield
CLEVINGER, MRS. CLARA H.
824 E. Patterson Ave., Kirksville
CLEVINGER, DR. LEWIS
824 E. Patterson Ave., Kirksville
COCHRAN, MRS. RAY S.
915 Chestnut St., Joplin
COLLINS, MR. BERT
La Due Rd., Creve Coeur
COLLINS, MRS. WILLIAM N.
529 S. Walnut, Cameron
*COLVIN, MRS. VERNE L.
47th New Hwy. 40, Box 6648, N. E.
Station, Kansas City (May 20)
CONLEY, MR. BYRON
308 Michigan Ave., St. Joseph
CONRAD, MRS. EMMA A.
Montrose
COOK, MRS. F. G.
715 Sergeant Ave., Joplin
COTTAM, MRS. AUDREY B. (Sustaining)
Rt. 2, Union
COWLEY, MRS. A. B.
Rt. 1, Jefferson City
COYNE, MRS. ROY
1002 N. Sergeant Ave., Joplin
CREECH, MRS. EARL (Sustaining)
1510 Byers Ave., Joplin
CRIPE, MR. BERRY B.
2719 Chelsea, Kansas City 3
CROACH, MRS. C. C.
3501 Joplin St., Joplin
CULTON, MRS. E. F.
3033 E. 9th St., Joplin
DANIELS, MRS. ELLA H.
1202 Central, Joplin
DAVIDSON, DR. LYNVAL
1107 Professional Bldg., Kansas City
DAVIS, MR. HAROLD E.
1921 Harlem Ave., Joplin
*DAWES, MRS. F. M.
3006 Virginia Ave., Joplin
DENISON, MRS. WALTER W.
B St., RR 1, Gashland
DENNIS, MR. PAUL
Rt. 9, Box 890, Springfield
DOBSON, MRS. C. S.
601 Jaccard Pl, Joplin
*DODSON, MRS. H. C.
3519 S. Main St., Joplin

DOWNS, MRS. EDWIN
 606 S. 15th St., St. Joseph
 DRIZIK, MRS. JOHN M.
 3631 Lawn Ave., St. Louis 9
 duDOMAINE, MRS. A. L.
 706 Byers Ave., Joplin
 DUNCAN, MRS. E. E.
 2003 Walnut St., St. Joseph
 DYER, MR. WILSON
 1724 N. Robberson, Springfield 2
 ECCLES, MR. M. E.
 1807 E. 40th St., Kansas City 4
 *ELAM, MRS. ANETA B.
 Edgewood Retreat, McKibbin Rd., Rt.
 7, Overland
 ELDER, MRS. E. S.
 3 Berkshire, St. Louis 17
 ELLIS, MRS. E. Y.
 802 Hampton Pl., Joplin
 FAIRLIE, MR. JAMES B.
 221 Hammond St., St. Joseph
 FERGUSON, MRS. A. A.
 1600 W. 7th St., Sedalia
 FERRY, MRS. M. E. (Sustaining)
 220 N. Elm, Nevada
 FINLEY, MR. RAY LEE, JR.
 3540 Ruby Way, Joplin
 FLAMINGER, MRS. RUTH DAVIS
 2302 Wall St., Joplin
 *FLECK, MR. & MRS. W. O.
 126 Silverlane, Independence
 (May-June)
 *FLY, MRS. J. BYRON
 816 Seneca Rd., Hillcrest, Joplin
 FOSTER, MISS ALICE R.
 Rt. 1, Box 27, Union Grove
 FOWLER, MRS. GEORGE
 Hoberg
 FRANZ, MRS. JOSEPH
 8008 McGee St., Affton 23
 GADBERRY, MR. WILLIAM A.
 909 Olive St., Carthage
 GALLOWAY, MRS. ROY W.
 RFD 487, North Kansas City
 *GATES, MRS. W. A.
 414 W. College St., Aurora
 (May 5-20)
 GIBSON, MR. ARTHUR A.
 Route 10, Box 1081, Ferguson 21
 GIBSON, MRS. MARY L.
 1510 Connor Ave., Joplin
 GILLIAM, MRS. V. T.
 3547 Boswell, Overland 14
 GORDON, MRS. H. C.
 RFD 1, Box 178, Grandview
 GRAF, MRS. J. C.
 Rockport
 GREATER KANSAS CITY IRIS SOCIETY
 % C. F. Noel
 3936 Euclid Ave., Kansas City
 GREBE, MR. BYRON C.
 Rockport
 GRINTER, MR. J. H. (Life)
 737 S. Main St., Independence
 GUENTHER, MR. WILLIAM H.
 1901 Lover's Lane, St. Joseph
 HALL, MRS. MARVIN F.
 116 Connor Ave., Joplin
 *HALYBURTON, MRS. E. J. (Sustaining)
 321 N. Harrison Ave., Kirkwood 22
 HANSEN, MR. HARRY R.
 7316 Jefferson, Kansas City 5
 HARMAN, MR. L. BURL (Sustaining)
 1906 Moffet Ave., Joplin
 HARMAN, MRS. L. BURL (Sustaining)
 1906 Moffet Ave., Joplin
 HARPER, MR. C. ALLEN
 7300 Brooklyn Ave., Kansas City 5
 HARRIS, MRS. NANETTE
 1813 Indiana Ave., Joplin
 HARTMAN, MRS. WILLIAM
 Rt. 1, Rockport
 HARVEY, MRS. E. F.
 Harrisonville
 HATTEN, MR. A. D. (Sustaining)
 108 N. Main, Webb City
 HAWKINS, MRS. PARLIE
 Shady Haven on Sugar Lake,
 Rushville
 *HAWKINS, MRS. WINIFRED
 RR 1, Ash Grove
 HAYDEN, MRS. GEORGE F.
 Box 496, Rt. 5, Kirkwood 22
 HAYES, MRS. FRANK W.
 10th & State Fair Blvd., Sedalia
 HENDERSON, MR. MARK DALE, JR.
 1620 Bird St., Joplin
 HENKEL, MRS. LOUIS
 105 Hurt St., Liberty
 HERGENREDER, MRS. M.
 825 Oneida Ave., Joplin
 HILLYARD, MRS. W. E.
 1833 N. 29th Ave., Ashland Hgts,
 St. Joseph 20
 HINDMAN, MISS MARY
 1821 Empire, Joplin
 HITCHCOCK, MRS. CHARLES
 Rt. 3, Skidmore
 HOLLIWAY, MRS. W. W.
 Rockport
 HOLLOWAY, MRS. MAUDE
 5625 Tracy, Kansas City
 HOOPER, MRS. H.
 447 E. 55 St., Kansas City 4
 HORAN, MR. FRED C.
 8804 E. 66th St., Kansas City 3
 HORN, MRS. M. J.
 Skidmore
 HORNADY, MR. KEITH
 808 S. College, Neosho
 HOUTZ, MR. HAROLD V. (Sustaining)
 2919 Victor St., Kansas City
 HUBER, MRS. K. A.
 1165 E. 65th St., Kansas City
 HUMPHREYS, MR. ARTHUR
 Box 312, Galt
 HUNT, DR. WILLIAM J.
 2600 Pacific St., St. Joseph
 HUNT, MRS. WILLIAM J.
 2600 Pacific St., St. Joseph
 JACKSON, MR. JAMES S. (Sustaining)
 5155 Wornall Rd., Kansas City 2
 JETT, MRS. M. D.
 1608 Bass Ave., Columbia
 JOHNSON, MR. MILO
 1918 Jackson Ave., Joplin
 JONES, MR. ED
 6700 Linden Rd., Kansas City 3
 JONES, MRS. RAYMOND F.
 619 N. Joplin St., Joplin
 KANSAS CITY PUBLIC LIBRARY
 9th & Locust, Kansas City
 *KELLEY, MR. H. O.
 Kelley's Snoopy Creek, RR 1,
 Kimmswick (May 7-15)
 KERR, MRS. WALTER S.
 629 Forest Ave., Ferguson
 *KIRKLAND, MR. ROBERT GREENE
 320 N. Jewell St., Liberty
 KLINE, MRS. WILLIAM E.
 5704 Helen Ave., St. Louis 20
 KOCK, MRS. ARVAL
 2550 N. 10 Mile Dr., Jefferson City
 KUNKEL, MRS. EMIL
 Box 275, Oregon
 LAMPE, MRS. WILLIAM B.
 6 Thornby Pl., St. Louis
 LANE, MRS. RUFUS H.
 1722 Moffet Ave., Joplin
 LARSON, MR. CARL G.
 2347 Utica Ave., Joplin
 LATIMER, MRS. M. W.
 P. O. Box 16, Joplin
 LAY, MRS. JOSEPHINE
 Carl Junction
 THE LEBANON GARDEN CLUB
 % Mrs. S. H. Winsor, Sec.
 Lebanon

LENINGTON, MR. GEORGE E.
 Box 139, Kansas City 10
 LENNAN, MRS. THOMAS F.
 Olivia Apts., Joplin
 LEVVIS, MRS. LON J.
 Rt. 5, Mexico
 LINDQUIST, MRS. C. E.
 Rt. 11, Springfield
 LITTLEFIELD, MR. C. R.
 722 Chestnut St., St. Louis 1
 LONG, MRS. DON
 Rt. 4, Box 289, Joplin
 LOWRY, MRS. VAN
 1826 Cedar St., Trenton
 LOWRY, MR. VAN D.
 1824 Cedar St., Trenton
 McCARN, MRS. CLYDE
 2206 Pennsylvania Ave., Joplin
 McCLANAHAN, MRS. C. C.
 Rt. 1, Knob Noster
 McCRACKEN, MR. SEARCY
 Rt. 1, Box 192, Webb City
 McCRACKEN, MRS. SEARCY
 Rt. 1, Box 192, Webb City
 McGEHEE, MRS. LUTHER
 224 N. Wall Ave., Joplin
 McINTIRE, MR. J. CHARLES
 P. O. Box 446, Joplin
 McKEE, MAYOR RUSSEL L.
 E. 22nd & Rhode Island, Joplin
 MacCARTHY, MRS. IVIE A.
 801 S. Davis St., Kirksville
 MAHONEY, MRS. R. A.
 437 Monroe St., Joplin
 MAIN, MRS. ROLAND A.
 128 Brown St., Liberty
 MARSHALL, MRS. HOWARD
 2020 New Hampshire, Joplin
 MARTZ, MRS. C. S.
 603 W. Pleasant, Aurora
 MASON, MR. MAX
 304 Carson Rd., Ferguson 21
 MATTHEWS, MRS. FRANK L.
 216 W. C St., Joplin
 MAY, MR. ERNEST
 2500 Hardesty Ave., Kansas City 1
 MAY, MRS. L. S.
 RFD 3, Sedalia
 MAZE, MRS. J. D.
 1214 Maud St., Poplar Bluff
 MEBOLD, MR. K. E.
 6412 Walnut St., Kansas City 5
 MELOY, MRS. O. P.
 206 Jackson Ave., Joplin
 MILLER, MRS. OTTO E.
 5804 Hamilton Ave., St. Louis 21
 MOLLOY, MRS. ELIZABETH R.
 539 N. Pearl St., Joplin
 MONROE, MR. ARTHUR E.
 409 N. Main St., Windsor
 MOORE, DR. GEORGE T.
 Missouri Botanical Garden, St. Louis
 MORE, MR. L. E.
 7059 Pershing Ave., University
 City 5
 MORGAN'S GARDENS
 Rt. 3, Kansas City
 MORLEY, DR. FRANK R.
 1520 W. Broadway, Sedalia
 MREEN, MISS FLORINNE
 3700 St. Monica Ln., Overland 4
 MURPHY, MRS. BENTON F.
 Bonne Terre
 MURPHY, MRS. D. J. (Sustaining)
 7530 Shaftesbury Ave., University
 City
 MYERS, MRS. S. E.
 5079 Waterman Ave., Apt 203, St.
 Louis
 NEFF, MISS MARIE
 6405 Pryor Ave., St. Joseph
 NICKSON, DR. CHARLES E., JR.
 (Sustaining)
 2 Hawthorne Pl., Independence

NOEL, MR. CHARLES FRANK
 3936 Euclid Ave., Kansas City
 NOLAN, MRS. RALPH
 1240 Crest Dr., Joplin
 NORMAN, MR. WAYNE
 Unionville
 O'CONNOR, MRS. ARTHUR L.
 2830 Dunam, St. Joseph
 O'GORMAN, MR. DAN R.
 1107 McCausland Ave., St. Louis 17
 OLSON, MR. MARVIN G.
 3204 Welsberg Dr., Normandy 21
 O'NEIL, MRS. H. B.
 3036 Edmond St., St. Joseph
 O'NEILL, MR. PAUL E.
 1165 Pennsylvania Ave., Springfield
 PADDACK, MR. CHARLES A.
 Kingsville
 *PALMER, MRS. RAY C.
 122 Drake Ave., Webster Groves
 *PARKER, MRS. ENID
 2315 Tyler, Joplin
 PAYNE, MR. ARTHUR FLORIAN
 657 E. Essex Ave., Kirkwood 22
 PENNEWILL, MR. G. W.
 502 Donne, University City
 PERKINS, MRS. THERESA
 2430 Kentucky Ave., Joplin
 PERRYMAN, MR. MALCOLM E.
 204 S. William St., Columbia
 PETERS, MR. E. S.
 4241 Folsom Ave., St. Louis
 PETERSDORF, MRS. LENA
 7007 Julian Ave., University City 14
 PETERSEN, MR. P. M.
 5400 Euclid Ave., Kansas City 4
 PHARISS, MRS. CLYDE
 RFD 2, Verona
 PHARISS, MRS. JOHN
 RFD 2, Verona
 PHILLIPS, MRS. MARY E.
 3105 Harris, Independence
 PINGREE, MRS. F. D.
 507 N. Wall St., Joplin
 POFF, MR. ORSIE L.
 4525 Spruce, Kansas City
 POLLEY, MRS. CLIFFORD
 RFD 1, Ridgeway
 POTJE, MRS. FRANK
 7434 Canton Ave., University City 4
 POWELSON, MRS. R. O.
 RR 3, St. Joseph
 POWERS, MR. HOWARD M.
 8743 Argyle Ave., Overland 14
 PROFFER, MRS. ESTES E.
 308 N. Walnut, Kennett
 PRUETT, MRS. H. S.
 9 McKnight Ln., St. Louis 24
 PULLIAM, MRS. E. L.
 2001 E. Broadway, Sedalia
 RANNIE, MRS. VIVIAN
 1214 Hardy, Independence
 RAY, MRS. A. O.
 2605 Denver Ave., Kansas City 1
 REA, MRS. W. G.
 516 E. Arrow St., Marshall
 REDHAGE, MRS. EDWARD
 Rt. 2, Union
 REES, MR. GEORGE N.
 Rt. 1, Nixa
 REEVES, MRS. J. L.
 627 Marshall Ave., Webster Groves
 RICKMAN, MR. RAY K.
 1610 Bird Ave., Joplin
 RIELLEY, MRS. R. P.
 1003 Page Blvd., St. Louis 14
 RIGG, MR. HENRY V.
 6331 Evanston Ave., St. Louis
 RISING, MRS. D. S.
 424 Benton Blvd., Kansas City
 ROBBINS, MRS. BERT
 213 St. Louis St., Joplin
 ROENNFELDT, MRS. GROVER
 7426 Lynn Ave., University City 14

ROGERS, MR. GLENN
 902 Crisp, Kansas City
 ROGERS, MISS MILLIE
 3516 Flora, Kansas City
 ROSEMAN, MR. T. W.
 2026 Bellevue Ave., Maplewood 17
 ROSENBAUM, MRS. WILLIAM C.
 203 N. Elizabeth, Ferguson 21
 RUDY, MR. CLAUDE E. (Sustaining)
 9283 E. Breckenridge, Overland 14
 RUTLEDGE, MRS. OMER
 Clifton Hill
 RYLE, DR. WALTER H. (Sustaining)
 State Teachers College, Kirksville
 RYLE, MRS. WALTER H.
 402 E. Patterson, Kirksville
 RYLE, MR. WALTER H., JR.
 Kirksville
 SALVETER, MRS. HENRY C.
 1212 S. Barrett, Sedalia
 SAMMONS, MRS. H. C.
 405 N. Stewart, Sedalia
 *SAPP, MRS. J. A.
 2319 Pennsylvania Ave., Joplin
 (May 5-20)
 SCHIEFELBEIN, MR. EDWARD
 3635 E. 58th St., Kansas City 4
 SCHIFKO, MRS. JOHN
 7501 Nottingham Ave., Shrewsbury 19
 *SCHIRMER, MR. CARL O. (Sustaining)
 6104 King Hill Ave., St. Joseph
 SCHIRMER, MRS. CARL O. (Sustaining)
 6104 King Hill Ave., St. Joseph
 SCHIRMER, DR. H. W. (Sustaining)
 5701 S. 2nd St., St. Joseph
 SCHIRMER, MRS. H. W. (Sustaining)
 5701 S. 2nd St., St. Joseph
 SCHULTZE, MISS MARIE-ANN
 3331 Campbell St., Kansas City
 *SCOTT, MR. W. F., JR. (Life)
 407 N. Florissant Rd., Ferguson 21
 (May 15)
 SCOTT, MRS. W. F., JR. (Sustaining)
 407 N. Florissant Rd., Ferguson 21
 SEELEY, MR. SHERMAN T. (Sustaining)
 7303 Maryland, University City 5
 SEIFERT, MRS. HERBERT A.
 1701 W. 11th St., Sedalia
 SEILER, MRS. W. A.
 431 N. Byers Ave., Joplin
 SEITER, MR. JOSEPH E.
 3655 McKibbin Rd., St. Louis
 SELLE, MR. HERMAN J.
 Gower
 SHADDAY, MRS. FRANK
 413 S. Old Orchard, Webster Groves
 SHAFER, MRS. J. L.
 614 Porter, Joplin
 SHAFFER, MRS. L. O.
 1806 Bird Ave., Joplin
 SHERRILL, MRS. C. J.
 Box 41, Oregon
 SIMMS, MR. H. R.
 11330 Park, Box 296, Sugar Creek
 SIMS, MR. EMSLEY (Sustaining)
 410 E. Hickory St., Neosho
 SISCO, MR. WILLIAM C. (Sustaining)
 6032 Clemens Ave., St. Louis 12
 SISTERS OF MERCY
 % St. John's Hospital
 2226 Jackson Ave., Joplin
 SISTERS OF MERCY
 % St. Peter's Convent
 902 Pearl St., Joplin
 *SKEEN, MRS. RUSSELL
 401 Olive St., Hannibal (May 15-25)
 SMITH, MRS. PAUL JUDSON
 6809 Paseo, Kansas City 5
 SPIVA, MRS. GEORGE A.
 1221 Crest Dr., Joplin
 STAHL, MRS. H. R.
 Rivermines
 STEVENS, MR. I. A.
 2 High Downs, Clayton 5

STEWART, MR. RAY A.
 9505 Grand Ave., Rt. 1, Kansas City 5
 STEWART, MRS. WILLIAM M.
 1220 Crest Dr., Joplin
 STIVER, MRS. CHRISTIAN E.
 406 N. Louisiana Ave., Cape Girardeau
 STOUT, MRS. ABRAM L.
 1875 Kensington St., Joplin
 STUCK, MR. SANFORD W.
 2303 W. 59th, Kansas City 2
 STUDD, MRS. E. O.
 3844 Melba Pl., Normandy
 SWAIN, MR. ED. E., JR.
 1215 S. Haliburton, Kirksville
 SWITZER, MR. CLYDE
 Rt. 1, Grandview
 TAVENNER, MRS. EUGENE
 5 Southmoor, Clayton 5
 THOMAS, MRS. MADELINE M.
 Ringer Rd., Box 358, Rt. 11, Lemay 23
 THOMPSON, MRS. VERN E.
 210 Sergeant Ave., Joplin
 THORNTON, MRS. J. H.
 Clarksdale
 TIEMANN, MR. ELMER H.
 Rt. 3, Box 238, Florissant
 TOLLIVER, MRS. CLINTON
 9221 Old Van Horn Rd., RFD 6, Kansas
 City 3
 TOMPKINS, MR. ARTHUR L.
 101 Parkland Pl., Glendale 22
 TOMPSON, DR. F. H.
 516 Pearl St., Joplin
 TRANHAM, MR. D. D.
 Rt. 2, Hickman Mills
 TUTTLE, MR. E. G.
 % Jenkins Music
 411 Main St., Joplin
 TYBERENDT, MRS. W.
 Rt. 1, Arnold
 TWYFORD, MRS. M. C.
 1816 Byers Ave., Joplin
 UNIVERSITY OF MISSOURI, GENERAL LIBRARY
 Columbia
 VAUGHT, MR. G. C. (Sustaining)
 4106 Woodland Ave., Kansas City 4
 WADLOW, MRS. T. W.
 Willard
 WALTERS, MRS. ROSAMOND
 3958 Flora Pl., St. Louis
 WARNER, MISS EDNA M.
 1700 Harvard, Independence
 WATTS, MRS. E. S.
 216 E. 80th St. Terrace, Kansas
 City 7
 WEGMANN, MRS. C. A.
 127 W. Locust, Aurora
 WELLS, MRS. M. G.
 Rt. 487, North Kansas City
 WERNER, MRS. JOSEPH L.
 9625 Ladue Rd., Clayton 5
 WEYGANDT, MRS. B. G.
 3524 Oakridge Dr., Joplin
 WHITMORE, MRS. RUTH R.
 3027 E. 32nd, Kansas City
 WHITTEMORE, MR. R. B. (Sustaining)
 7 Black Creek Ln., St. Louis 5
 WILD, MR. DALE
 (Sarcoxie Nurseries)
 Sarcoxie
 WILD, GILBERT H. & SON (Sustaining)
 Sarcoxie
 WILDER, MRS. JAY L.
 528 Byers Ave., Joplin
 WILLIAMS, MISS LENA
 P. O. Box 622, St. Joseph 1
 WILLIS, MR. F. GORDON
 1214 Willow Ave., Independence
 WILSON, MRS. JESSE
 2746 Quincy, Kansas City
 WOLF, MRS. ESSIE
 Rockport
 WOLLARD, MRS. JOE
 334 S. Washington St., Neosho

ZERR, MRS. AGNES E.
2514 E. 42nd St., Kansas City 4

MONTANA

BEATIE, MR. & MRS. C. W.
926 Harvard Ave., Billings
THE FLORAL ART CLASS
% Mrs. Kenneth Roahen
127 Lewis Ave., Billings
METCALF, MR. H. N. (Sustaining)
Montana State College, Dept. of
Horticulture, Bozeman
ODLE, MR. HAROLD
"On Flathead Lake," Rollins
REGAN, MRS. WILLIAM J.
Rt. 1, Box 34, Butte
SMALL, MRS. H. G.
Crow Agency

NEBRASKA

ALBERS, MRS. ALBERT
Doniphan
ALLER, MR. CARL L.
401 Florence St., Beatrice
ARNOLD, MRS. FRED
818 S. 33rd St., Lincoln
ATKINSON IRIS CIRCLE
% Lois Ann Martens, Sec.
Atkinson
BAILEY, MRS. JACK
17 Greer Addition, Grand Island
BALLON, MRS. JOE
Atkinson
BEAUTIFUL VALLEY GARDEN CLUB
% Mrs. C. V. Robertson, Pres.
Chambers
BENSON GARDEN CLUB
% Mrs. D. M. Bowen, Lib.
4244 Burdette St., Omaha
BIERMAN, MRS. HERMAN
Battle Creek
*BIERMAN, MRS. JOHN
Battle Creek (May 20-June 10)
BLAKELY, MRS. ALBERT
1524 Summit St., Beatrice
BLUMER, MR. LESLIE F.
405 N. 25th St., Lincoln 3
BONNELL, MISS VALERIA
1810 Garfield St., Lincoln
BRADY, MRS. E. J.
1102 First St. E., McCook
BREES, MR. HENRY M.
Pierce
BRINKER, MRS. A. J.
309 W. 16th St., Lexington
BUCKLEY, MRS. EMMA KOSCH
123 3rd St., David City
CARLSON, MRS. W. W.
5437 S. 56th St., Omaha 7
CARTER, MR. E. J.
2571 Newport Ave., Omaha 11
CIVIC IMPROVEMENT GARDEN CLUB
% Mrs. Olive Skrdla
Box 35, Atkinson
CLINEFELTER, MR. ROBERT O.
1541 S. 26th St., Omaha 5
COBB, MRS. JANE
Stuart
COFFIN, MRS. LEIGH F.
440 N. 5th St., Beatrice
COLGLAZIER, MR. ERNEST E.
Grant
COLIN, MR. OSCAR "JACK"
3711 Washington, Lincoln
COLLINS, MRS. S. E.
6912 Spencer St., Omaha 4
*COOLEY, MRS. VIOLET
2141 S. 49 South St., Omaha 6
*COPE, MR. P. B.
6504 Aylsworth Ave., Lincoln 5
(May 15-30)

*DAFT, MR. L. H.
2902 N. 59th St., Lincoln 4
DAVIS, MRS. R. W.
5116 Walnut St., Omaha
DeCAMP, MRS. IRENE A.
Box 116, Meadow Grove
DICKERSON, MRS. IVAN
Atkinson
DRAPALIK, MR. FRANK
5057 Maple St., Omaha 4
DRISCOLL, MR. ROBERT E.
2429 Ave. C, Scottsbluff
DVORAK, MRS. RUDY
Atkinson
ECKERT, MRS. F. W.
4973 Maple St., Omaha 4
ENGARDT, MRS. MYRTLE E.
2818 S. 17th St., Omaha 9
FONTENELLE PARK GARDEN CLUB
% Mrs. J. H. Pfeiffer, Librarian
3521 N. 58th St., Omaha
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 TURNER, MISS MABEL E.
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 WATKINS, MR. ARTHUR J.
 67 High St., Concord
 WATKINS, MR. EDWARD
 3 Highland St., Concord
 *WHIPPLE, MR. PERCY A.
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 Whippany
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 *BAUMAN, DR. RUSH C.
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 BELL, MRS. WILLIAM H.
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 *BELLMER, MRS. A. L.
 200 Elmwood Ave., Hohokus
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 588 Paterson Ave., East Rutherford
 CALDWELL, MR. CHARLES H. (Sustaining)
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 CASSELMAN, DR. ARTHUR J.
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New York Botanical Garden, Bronx
Park, New York

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(June)

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150 29, 115 Ave., Jamaica 4

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LUCIUS, MRS. W. I.
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*LUKE, MRS. ERNEST H.
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L.I.

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- MATTESON, MR. DeFOREST A.
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- NUGENT, MR. WALTER M.
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- PEACOCK, MR. C. R.
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144 William St., Watertown (June 1-7)
- PECKHAM, MR. ANSON W. (Life)
The Lodge, Skyland Farm, Sloatsburg
- PECKHAM, MRS. WHEELER H. (Life)
Eagle Valley Rd., Sloatsburg
- POLIN, MR. E. G.
Rt. 2, Fultonville
- PORRECA, MR. H. C.
Maple St., West Henrietta
- PUBLIC LIBRARY
115 South Ave., Rochester 4
- PUPKE, MR. HENRY F.
40 Edgewood Rd., Valley Stream
- *QUIST, MRS. O. F.
76 Nichols Ave., Brooklyn 8
- RANDOLPH, DR. L. F. (Sustaining)
College of Agriculture, Cornell
University, Ithaca
- RASMUSSEN, MR. WILLIAM L.
91-37 184 St., Jamaica 3
- RAUSCHER, MR. ERNEST N. (Sustaining)
132 Pexton St., Sherrill
- REICHERT, MR. LOUIS
45 John St., New York
- *RITCHIE, REV. CHRISENBERRY A.
(Sustaining)
1338 Chenango St., Binghamton
(May 25-June 25)
- *RIVENBURGH, MISS THELMA
1201 Paul Ave., Schenectady 6
- ROBSON, DR. H. L.
Box 56, Lewiston
- ROOT, MR. EDWARD W. (Life)
Hamilton College, Clinton
- ROSENTHAL, MRS. MILTON (Sustaining)
304 N. George St., Rome
- RUNDLETT, MR. EDWIN
1 Fairview Ave., Staten Island 14
- MAX SCHLING SEEDSMEN, INC.
618 Madison Ave., New York 22
- SCHMITT, MRS. HELEN FAY
118 Central Ave., St. George, Staten
Island
- SHIERS, MR. PAUL
41-41 73rd St., Jackson Hgts., L.I.
- SHUBERT, MRS. IRVINE I.
19 W. 12th St., New York 11
- *SITER, MRS. E. H.
Fithian Ln., East Hampton, L.I.
- SMITH, MR. KENETH D. (Life)
Benedict Rd., Dongan Hills, Staten
Island 4
- SMITH, MR. KENNETH D., JR.
Benedict Rd., Dongan Hills, Staten
Island 4
- SMITHBURG, MRS. CHARLES W.
10 Roosevelt Ave., Oneonta
- SOLAR, MR. JOHN W.
Solar Bldg., Watertown
- STEINER, MRS. OSCAR
117 Colebrook Dr., Rochester
- STEVENS, MR. JAMES C.
Greenville
- STEWART, MR. M. E.
Forest Rd., Lewiston Hgts., Lewiston
- STOUT, DR. A. B.
N. Y. Botanical Garden, Bronx Park,
New York
- *STOUT, MR. REX (Sustaining)
High Meadow, Brewster
- STUBBS, MR. FRANK
106 Cabrini Blvd., New York 33
- STUNTZ, MR. M. F.
6505 Main St., Williamsville
- SWANTAK, MR. JOHN
Box 75, Bloomville
- SWEZEY, MISS CHARLOTTE (Sustaining)
43-35 215th St., Bayside
- TIMBS, MR. GLENN A. (Sustaining)
8720 Pershing Ave., Niagara Falls
- TUTHILL, MISS MARION H.
345 Milton Rd., Rye
- VAN de WATER, MRS. CARLETON
Rt. 1, New Platz
- VAN SICLEN, MR. C. E.
85 Hudson Rd., Bellerose
- VAN WINKLE, MR. WILLIAM M.
101 Apawamis Ave., Rye
- WALKER, MRS. HUBERT
80 Carrollton Ave., Elmira
- WALTER, MR. FRED L.
737 East Ave., Rochester
- WARD, MRS. M. B.
90 Fenimore St., Brooklyn 25
- WEEKS, MR. JAMES A.
213-55 38th Ave., Bayside
- WHITNEY, MRS. ELSIE G.
274 Main Ave. S., Albany 3
- WILLIAMS, MRS. RALPH W. (Sustaining)
108 Park Ave., Bronxville 8
- WILSON, MRS. HELEN VAN PELT
(M. Barrows & Co., Inc.)
114 E. 32nd St., New York 16
- WOLF, MR. FRANK
RFD 3, Ballston Spa
- WOODNUTT, MISS JOSEPHINE
Jericho, L.I.
- WORTH, MRS. HAROLD G.
31 Archer Dr., Bronxville
- WRIGHT, MRS. FRANK M.
12 Elm St., New Rochelle
- WRIGHT, MR. RICHARDSON (Life)
(House & Garden)
Graybar Bldg., New York
- WRIGHT, MISS SALLIE A.
68 Elm St., Potsdam
- ZEESTRATEN, MR. C.
Greenhurst
- ZIRBEL, MRS. CORINNA M.
420 Kline Rd., Ithaca

NORTH CAROLINA

- ARCHER, MRS. J. A.
710 Park Ave., Raleigh
- *BARKER, MRS. O. C. (Sustaining)
116 Fenner Ave., Asheville
- BARRON, MRS. R. L.
708 Royal Ct., Charlotte
- BIGGS, MRS. J. CRAWFORD
Wake Forest Rd., Raleigh
- BORDEN, MR. F. KENNON
710 Park Ave., Goldsboro
- BROWARD, MRS. C. H.
1022 E Blvd., Charlotte
- CHURCH, MRS. M. L. (Sustaining)
1626 Queens Rd., W., Charlotte 7
- COBB, MR. W. BORDEN
611 E. Walnut St., Goldsboro
- CROOKFORD, MRS. H. D.
Box 816, Chapel Hill

DUNAGAN, MRS. S. P.
Rutherfordton

EDWARDS, MRS. SWANNIE
Box 29, Greensboro

EVANS, MR. GEORGE R.
P. O. Box 386, Conway

FOX, MRS. L. G.
Rockingham

GARIBALDI, MRS. JOSEPH
228 E. Park Ave., Charlotte 3

GOODE, MRS. U. L.
2212 Plaza, Charlotte

GOWER, MRS. PERRIN
1913 Reid St., Raleigh

HENDERSON, MRS. ISABELLE BOWEN
213 Oberlin Rd., Raleigh

HERMAN, MRS. LOCKE
Rt. 1, Newton

*HODGIN, MISS FRANCES C. (Sustaining)
Room 104, 400 S. Elm St.,
Greensboro (April 25-May 25)

HUGHES, MRS. C. EDWIN, JR.
Rt. 2, Randleman

JINETTE, MR. ALLEN J.
1501 Elwood Ave., Greensboro

JOHNSON, MRS. F. G.
21 W. Second St., Lexington

JONES, MR. ARTHUR LAIDLER
Tryon

JUSTICE, MRS. MARCUS D.
342 S. Main St., Rutherfordton

KING, MR. GEORGE H.
2750 Dunn Ave., Charlotte 4

KIRKPATRICK, MRS. M. O.
2337 Common Wealth Ave., Charlotte

LITTLE, MR. GEORGE B.
2135 Malvern Rd., Charlotte

LITTLE, MRS. GEORGE W.
Lilesville

LORE, MISS EUGENIA W.
109 W. Depot St., Concord

McNairy, MR. W. H.
1001 Church St., Laurinburg

MAUNEY, MR. GEORGE H.
Kings Mountain

MAUNEY, MRS. W. K.
Piedmont Ave., Kings Mountain

MONTGOMERY, MRS. WADE
120 Hermitage Rd., Charlotte

MOORE, MISS KATHERINE S.
1106 Eva St., Durham

MOSS, MRS. F. B.
Glenfalls Rd., Lakeview Park,
Asheville

MYERS, MRS. A. S.
224 W. 5th Ave., Lexington

O'BRIEN, MR. CLAUDE C., SR. (Sustaining)
1404 Randolph Ave., Greensboro

*PAQUET, MRS. NANNIE J.
Rt. 1, Box 302, McLeansville

PARKER, DR. JOSEPH B., JR.
609 Colgate, Durham

PENDER, MR. L. DOW, JR.
Box 6097, Raleigh

PETREE, DR. R. E.
1600 Windover Rd., Charlotte 7

PONTON, MR. ROBERT A.
2520 White Oak Rd., Raleigh

RANDOLPH, MRS. E. A.
1615 Hillsboro St., Raleigh

RANEY, DR. R. B.
1105 W. Main St., Durham

RIGSBEE, MRS. W. A.
2600 Willard Dr., Charlotte

SHOFFNER, MR. R. W. (Sustaining)
State College, Raleigh

SHUPP, MRS. K. R.
Sharon View Rd., Charlotte

SLAUGHTER, MR. J. H. (Sustaining)
525 N. Bloodworth St., Raleigh

STANWOOD, MISS ELIZABETH
Box 94, Tryon

STARR, MRS. R. H.
606 Courtland St., Greensboro

URBAN, REV. L. R.
38 Lakeview Rd., Asheville

VICK, MRS. W. A.
409 Ann St., Rockingham

VON GLAHM, MRS. J. L.
1609 Canterbury Rd., Raleigh

WALKER, MR. B. B.
Walnut Cove

WANNER, MRS. RAYMOND A.
15 Mt. Vernon Circle, Asheville

WEBB, MR. T. N.
Box 276, Hillsboro

WOOD, MRS. J. W. (Sustaining)
1317 Providence Rd., Charlotte 4

WYNNE, MR. ROBERT B. (Sustaining)
1411 Jackson St., Raleigh

ZIMMERMAN, MRS. PERNELL
926 Berkley Ave., Charlotte

NORTH DAKOTA

FORTIN, DR. H. J. (Sustaining)
1440 8th St. S., Fargo

GROBE, MR. SIDNEY
1026 Oak St., Fargo

JOHNSON, MRS. RUTH M.
1117 8th Ave. S., Fargo

OHIO

ALLEN, MRS. ERHARD
RR Box 389, Old Salem Rd., Dayton 5

ALTAMER, MRS. WILLIAM H.
1511 Groesbeck Rd., College Hill,
Cincinnati

ALTER, MRS. L. W. SCOTT
Blackberry House, Willow Hills Rd.,
Cincinnati 27

ANTHONY, MRS. GEORGE H.
E. Bogby Rd., Berea

ATHA, MR. LAVERNE C.
West Liberty

BENNER, MRS. ELIZABETH L.
Rt. 1, Republic

BENNETT, MR. JAMES E. (Sustaining)
1106 Union Nat'l. Bank Bldg.,
Youngstown

BERST, MRS. RALPH W.
434 N. Williams St., Dayton 7

BISSETT, MRS. R. C.
RFD 1, Jefferson

BLACK, MR. GEORGE V.
187 W. Warren Ave., Youngstown 7

*BOESEL, MR. M. W.
Rt. 2, Oxford-Milford Rd., Oxford
(May 17-27)

BOSLEY, MRS. C. W.
Morral

BOWMAN, MISS OLIVE M.
201 S. Perry St., Woodville

BRETSCHNEIDER, MR. ED. H. (Sustaining)
1260 Cambridge Blvd., Columbus

BROWN, MRS. PAUL W.
RR 7, Box 193, Dayton 9

BRYAN, MR. WILLIAM G.
Box 267, Burton, Geauga Co.

BURKETT, MR. LEONARD J.
Box 31, Station A, RFD 2, Delta

CARRICO, MRS. WALTER
42 James St., Dover

CHAPIN, MR. CLARENCE A.
177 W. Bridge Dr., Berea

CLEVELAND PUBLIC LIBRARY
Serials Dept., 325 Superior Ave.,
Cleveland 14

COLUMBUS IRIS SOCIETY
% Miss Grace Sherman
247 Piedmont Rd., Columbus 2

CURTIS, MR. A. E.
5930 Argus Rd., Cincinnati 24

DANIELS, MR. EDGAR
2309 Catalpa Dr., Dayton 6

DIEFENBACH, MR. ALLAN B.
356 Rose Blvd., Akron 2

EVANS, MR. C. D.
 25301 Marsdon Ave., Euclid 23
 EMIGHOLZ, MRS. J. E.
 7595 Montgomery Rd., Cincinnati 13
 FEDERATION GARDEN CLUB OF AKRON
 % Mrs. C. J. Geis
 185 Rhodes Ave., Akron
 FITZGERALD, DR. A. D.
 RFD 2, Clyde
 *FOSTER, MRS. JOSEPH A.
 2470 Osceola Ave., Columbus
 FOSTER, MR. Q. D.
 201 Lake St., Delaware
 FRECHTLING, DR. LOUIS
 Meadowcroft, Mounted Rt. 61, Box
 4424, Hamilton
 *FREDERICK, MRS. V. R.
 216 Scioto St., Urbana (May 23-27)
 GARDEN CENTER OF GREATER CINCINNATI
 Walnut St. at the Parkway,
 Cincinnati 10
 GARDEN CENTER OF GREATER CLEVELAND
 11190 East Blvd. at Euclid Ave.,
 Cleveland 6
 GARNETT, MRS. HUGH W.
 1524 Cardiff Rd., Columbus 12
 GOODSITE, MR. HUGH
 1756 Wellesley Dr., Toledo
 GRUBE, MR. A. M.
 17920 Detroit Ave., Lakewood 7
 HALDEMAN, MRS. W. C.
 552 N. Greenwood St., Marion
 HYSELL, MISS MARGARET E.
 660 High St., Middleport
 HYSELL, MRS. RUBY M. (Sustaining)
 The Arches, 660 High St., Middleport
 INNIS, MISS GRACE
 1977 Cleveland Ave., Columbus
 IRIS GARDEN CLUB
 % Mrs. M. B. McKee
 290 Bowmanville St., Akron 3
 *JOHNSON, MR. K. W.
 1721 Hampton Rd., Akron 5
 *JONES, MR. IRWIN
 217 N. Roosevelt Ave., Columbus 9
 KEITH, MR. EARL
 328 High St., Mansfield
 KEPLER, MR. EUGENE
 Rt. 2, Greenfield
 KISSANE, MRS. R. W.
 4817 Olentangy Blvd., Columbus
 KOUDELKA, MR. J. W.
 5241 Clement, Bedford
 KRIPPENDORF, MR. CARL H. (Life)
 622 Sycamore St., Cincinnati
 LeGRON, MR. C. H.
 2601 Glendale Ave., Toledo 9
 LINDSLEY, MR. F. W.
 4322 Commonwealth Ave., Toledo 12
 LORENZ, MR. KARL K.
 2320 Ridgeway Rd., Dayton 9
 McCLINTOCK, MRS. J. E.
 5541 Fitch Rd., North Olmsted
 McCORMICK, MR. ROBERT H.
 1996 Chatfield Rd., Columbus 12
 McVICKER, MR. FRANKLIN A.
 689 Orange St., Chillicothe
 MAIZE, MRS. ROGER
 Stonyledge Farm, Rt. 4, Delaware
 MANLEY, MR. THOMAS R.
 Squire Valleevue Farm, Western
 Reserve Univ., Rt. 3, Chagrin Falls
 MASON, MR. ROBERT W.
 401 W. State St., Springfield
 MEALS, MRS. GORDON D.
 3331 Lansmere Rd., Cleveland 22
 MEUSER, MISS JANE
 895 Sandusky St., Ashland
 MILBURN, MISS MARY E.
 1808 Chelsea Rd., Columbus 8
 *MILES, MRS. EUGENE R. (Sustaining)
 22125 Parnell Rd., Shaker Heights 22
 (May 30-June 10)
 MILLER, MRS. GUY E.
 648 Wooster Rd. N., Barberton
 MORGAN, MRS. K. B. (Sustaining)
 Box 22, Morral
 MURPHEY, MRS. F. R.
 156 E. State St., Athens
 NEWBIGIN, MRS. ROBERT
 2533 Scottwood Ave., Toledo 10
 O'BRIEN, MR. HARRY R.
 Wilson Rd. W., Worthington
 POLLARD, MRS. SADIE
 829 Lakeview Ave., Washington C.H.
 PRENTISS, MR. Z. RANSOM
 1747 Coventry, Akron
 PUBLIC LIBRARY OF CINCINNATI
 Periodical & Serial Dept.,
 Cincinnati 2
 RECKLESS, MRS. WALTER C.
 2949 Neil Ave., Apt. 302 A,
 Columbus 2
 REINKE, MR. R. B.
 4573 Anderson Rd., Cleveland 21
 RIO GRANDE GARDEN CLUB
 % Mrs. John Wickline, Librarian
 Rio Grande
 ROCKWELL, MR. HAROLD W.
 243 N. Grand Ave., Marion
 ROMINE, MR. RAYMOND F.
 954 Westwood Dr., Marion
 ROSS, MRS. RONALD L.
 Box 413, Tallmadge
 ROSSITER, MR. R. E.
 RFD 2, Kingston
 *SARTOR, MR. & MRS. CARL J.
 1022 Camp St., Sandusky
 SCHMALSTIG, MRS. C. W.
 4021 Lenox Dr., Dayton 9
 SEICHE, MRS. CARL
 2115 Superior St., Sandusky
 SEWARD, MRS. W. B.
 RFD 3, Frazesburg
 SHERIDAN, MRS. BEECHER I.
 Post Rd., Rt. 1, Amlin
 SHINKLE, MRS. HERBERT S.
 Rt. 1, Box 165, Clayton
 SHRIVER, MRS. CLAYTON
 Rt. 2, Worthington
 SIMON, MR. G. H.
 18 W. Tucker Ave., Shelby
 SMITH, MR. KENNETH
 63 W. Thornton St., Akron 11
 SPANGLER, MR. C. H.
 216 Hanover St., Toledo 9
 STEPHAN, MRS. PAUL R.
 2104 Yorkshire Rd., Columbus 8
 STEPHENS, MR. CHARLES H., JR.
 (Sustaining)
 3720 Washington Ave., Avondale,
 Cincinnati 29
 STONE, MRS. BETTY
 Rt. 2, Ashland
 SUDHOFF, MR. ERIC C.
 2707 Barrington Dr., Toledo 6
 SWOPE, MR. WILMER
 Rt. 2, Box 183, Leetonia
 TAYLOR, MR. GEORGE D.
 1803 E. Siebenthaler Ave., Dayton 4
 TIBBS, MR. HARRY E. (Sustaining)
 Rt. 1, Yellow Springs
 TOOTLE, MRS. FLOYD D.
 Rt. 1, Clarksburg
 WAGNER, MR. E. H.
 287 Summer St., Newark
 WASSENBERG, MR. CHARLES F.
 643 S. Washington St., Van Wert
 WATERS, MR. DONALD G.
 303 Clinton St., Elmore
 WATERS, MRS. SILAS B. (Sustaining)
 2005 Edgecliff Point, Cincinnati 6
 WEED, MR. EUGENE
 61 High St., Mechanicsburg
 WHITAKER, MRS. RALPH ORAL
 199 N. Main St., London

*WICKERSHAM, MR. D. PAUL (Sustaining)
 (Mad River Gardens)
 Box 12, Urbana
 WILLIAMS, MRS. IRAN A.
 433 N. Main St., Urbana
 *WILLIAMS, MR. WARD B. (Sustaining)
 419 Harrison Ave., Greenville
 (May 13-30)
 WILLIS, MRS. WALTER W.
 641 Highland Ave., Mansfield
 WILLS, MRS. G. C.
 2003 Hill Ave., Middletown 15
 WOOD, MR. LINTON A.
 95 W. Southington Ave., Worthington
 YOUNG, MRS. FILLMORE
 341 Mt. Vernon Ave., Marion

OKLAHOMA

AFFHOLDER, DR. IRVIN E.
 Box 575, Blackwell
 ALMEGOURD, MR. SALEM
 27 E St., S. W., Box 408, Miami
 APEL, MRS. ROSE S.
 1216 N. W. 32nd St., Oklahoma City 6
 *BAKER, MRS. W. H.
 Billings
 BARTLETT, MRS. F. E.
 409 W. Maple, Enid
 BAUGH, MRS. THOMAS W.
 3625 N. McKinley, Oklahoma City 6
 BENSON, MRS. E. A.
 3326 N. W. 16th St., Oklahoma City 7
 *BIERIG, MRS. FRED
 Ringwood
 BLACK, MRS. F. CURTIS
 1015 E. 41st, Tulsa
 BOARDMAN, MRS. GROVER
 P. O. Box 214, Shawnee
 BOGLE, MRS. FRED
 401½ N. E. 12th St., Oklahoma City
 BOONE, MRS. CHARLES
 Sentinel
 BOWEN, MRS. STELLA
 2226 E. Techumseh St., Tulsa
 BRAGG, MRS. GENE
 426 N. 15th St., Muskogee
 BRANCH, MRS. ERNEST
 Buffalo
 BREWER, MR. S. A.
 1110 N. W. 31st St., Oklahoma City
 BROWN, MRS. MARCIA NEALE
 114 W. Ash St., Enid
 BROWN, MRS. MACK
 517 S. Division, Guthrie
 BURTON, MR. A. J.
 % Okla. Gas & Elec. Co., Enid
 CAHILL, MRS. MARION
 616 W. 6th St., Bristow
 CAMPBELL, MISS FRANKIE
 310 W. Shawnee, Box 542, Nowata
 CARNER, MRS. V. A.
 618 Keeler, Bartlesville
 CHAPMAN, MRS. D. E.
 3145 S. Rockford Dr., Tulsa 5
 CHERRY, MR. PAUL E.
 Tyrone
 CLARK, MRS. AL
 520 W. 7th St., Bristow
 CLARY, MRS. MARTIN
 5206 Classen, Oklahoma City
 CLAYTON, MRS. L. A.
 Rt. 2, Box 174 A, Pryor
 COFFEEN, MRS. HENRY
 1201 Larchmont Ln., Nichols Hills,
 Oklahoma City
 COLE'S IRIS GARDEN
 1219 Elgin Ave., Muskogee
 CONNORS, MRS. JERRY
 522 W. 6th St., Bristow
 COPPEDGE, MRS. O. C.
 612 W. 6th St., Bristow
 CROUCH, MR. FLOYD C.
 1608 Cherokee Pl., Bartlesville

CRUMP, MRS. W. B.
 Wynnewood
 CULWELL, MRS. W. H.
 Warner
 DAVIS, MR. B. A. (Sustaining)
 3536 E. 21st Pl., Tulsa
 DAVIS, MR. DWIGHT M. (Sustaining)
 401 E. Thatcher, Edmond
 DAVIS, MRS. GEORGE S.
 1319 S. Indianapolis, Tulsa 4
 DeBOLT, MR. W. H.
 2511 S. Cincinnati, Tulsa
 DECKER, PROF. CHARLES E. (Sustaining)
 508 Chautauqua Ave., Norman
 DICK, MR. GROVER
 223 W. Modoc St., Nowata
 DOBSON, MISS NELLIE
 106 A St., S. W., Miami
 DOLAN, MRS. STELLA MAY
 2011 N. W. 13th St., Oklahoma City 6
 DUNN, MR. H. C.
 1017 N. W. 22nd St., Oklahoma City 6
 EASON'S GARDENS
 Rt. 11, Box 394, Tulsa
 ESTILL, MR. P. E.
 230 E. 27th St., Tulsa
 FAIRES, MRS. LEE (Sustaining)
 822 2nd St., Alva
 FENDLEY, MR. F. R.
 6301 N. W. 10th, Oklahoma City 7
 FITE, MRS. D. W.
 215 S. Popular St., Bristow
 FOBES, MR. RAY
 Rt. 5, Box 79 C, Bristow
 FOSTER, MRS. ARTHUR M.
 503 E. 6th St., Bristow
 FRIEDMAN, MRS. A. H.
 Box 666, Fairfax
 GATTIS, MRS. GEORGE (Sustaining)
 202 Hall Briscoe Bldg., Chickasha
 GLITSCH, MRS. H. V.
 1644 16th St., Woodward
 GOURLEY, MRS. FRANK B.
 709 W. Otoe, Ponca City
 GROOM, MRS. JOHN S.
 Rt. 4, Box 249, Bristow
 GROOM, MRS. O. D.
 321 W. 8th Ave., Bristow
 HAGGARD, MR. W. E.
 128 Elmwood, Ponca City
 HAGGENJOS, MRS. JOHN
 614 E. Caddo St., Cleveland
 HAINES, MISS S. DEBORAH
 723 Arp Ave., Norman
 HALE, MRS. G. A.
 RFD 1, Minco
 HARALSON, MRS. CHARLES H.
 1 E. 26th Pl., Tulsa 5
 HARLEY, MRS. J. A.
 502 W. Oak, Enid
 HAUN, MR. HARRY LEE
 535 Tulsa St., Norman
 HAYDON, MRS. STELLA
 644 S. Flood Ave., Norman
 HELLAR, MRS. FRED
 2929 Cummings Dr., Oklahoma City 7
 HELMER, MRS. RALPH
 Rt. 1, Box 177, Oklahoma City
 HENSON, MRS. BASIL
 Rt. 2, Bristow
 HEUSTON, MRS. J. E.
 Rt. 1, Ripley
 *HILL, MISS ELEANOR (Sustaining)
 1633 E. 22nd St., Tulsa 5
 (Species only)
 HINKLE, MR. TOM
 805 W. State St., Enid
 HIRSCH, MRS. PEARL
 Rt. 1, El Reno
 HIXON, MRS. JEANNE
 P. O. Box 173, Depew
 HOCK, REV. ALVIN SCOLLAY
 1001 E. 17th, Stillwater

* Indicates Garden Open

HOGAN, MR. ROY V.
 RR 2, Tecumseh
 HOLLOWAY, MR. DAN
 1626 Birch, Oklahoma City 8
 *HORNADY, MR. KEITH
 Wheelock Academy, Milleston
 HUMPHREY, MRS. J. C.
 701 First Nat'l. Bldg., Enid
 HUNT, MR. EUGENE A.
 Fallis
 HUNTER, MISS ALINE (Sustaining)
 Box 473, Bartlesville
 HUNTER, MISS EVA
 1302 N. Osage, Tulsa
 INGRAM, MRS. CARL
 Rt. 5, Shawnee
 INGRAM, MRS. I. C.
 3216 N. W. 19th St., Oklahoma City 7
 IRIS UNIT, OKLAHOMA CITY GARDEN CLUB
 % Mrs. Cecil McCutcheon, Treas.
 926 N. W. 19th St., Oklahoma City 6
 *JENNINGS, MRS. JOHN F.
 Box 594, Wynne Wood (April 15-May 15)
 JESSEPH, MRS. FRANCIS
 Box 105, Bristow
 JOHNSON, MRS. D. M.
 RR, Purcell
 JOHNSON, MRS. LLOYD J.
 2222 S. St. Louis, Tulsa 5
 JOHNSON, MRS. L. RALPH
 Cleveland
 JOHNSTON, MRS. D. F.
 Box 624, Bristow
 JOHNSTON, MRS. H. C.
 1116 Lake St., Lawton
 *JONES, MR. J. L.
 Rt. 2, Tonkawa
 JONES, MRS. R. L.
 Box 660, Bristow
 JONES, MR. ROSS
 Kingfisher
 JONES, MRS. WINNIE E.
 1702 N. E. Euclid, Oklahoma City 4
 KANADY, MRS. ED. (Sustaining)
 Sentinel
 *KIMBERLIN, MRS. W. R.
 809 S. Main St., Altus
 (April 25-May 3)
 KOHLER, MRS. L. J.
 314 11th St., Bristow
 KOLLER, MRS. ED.
 Box 656, Ponca City
 KRUMME, MRS. R. A.
 409 W. 11th St., Bristow
 LANDRUM, MRS. E. M.
 2328 N. W. 25th St., Oklahoma City
 LAWRENCE, MRS. E. R.
 Britton
 LESLIE, MRS. THOMAS G.
 1439 S. Carolina, Tulsa 5
 LEWIS, MRS. AMY
 1416 N. Cincinnati, Tulsa 6
 LIMPUS, MRS. L. M.
 2401 N. E. 25, Oklahoma City
 LIPPOLDT, MR. T. H.
 419 N. Grady, Altus
 LOGAN, MRS. WALTER L.
 619 W. 6th St., Bristow
 LOGSDON, MRS. E. L.
 4702 E. 5th, Tulsa 4
 LOMAX, MRS. P. E.
 Box 862, Henryetta
 *LUDEMAN, MRS. B. W.
 807 N. Grand, Okmulgee
 LYONS, MRS. OPAL
 111 N. Main, Bristow
 McCUTCHEON, MRS. CECIL
 926 N. W. 19th St., Oklahoma City 6
 McKEITHAN, MR. DAVID R.
 1621 Osage, Bartlesville
 McKIBBEN, MRS. C. C.
 Yukon
 McKINNEY, MRS. E. H.
 916 Bell, Lawton
 MAIDT, MRS. ROBERT G.
 2744 N. W. 19th St., Oklahoma City 7
 MARTIN, MISS WINNIE
 507 E. Lincoln St., Bristow
 MATHIS, MRS. ARA
 Rt. 1, Box 2B, Bristow
 MEINHARDT, MRS. L. E.
 403 S. W. 43rd St., Oklahoma City 9
 MILLER, MRS. WANDA LEE
 RFD 2, Glencoe
 MILSTEAD, MRS. AVERY
 1113 E. Farrall, Shawnee
 MOODY, MRS. GEORGE C.
 1734 N. W. 14th St., Oklahoma City 6
 MOORE, MRS. P. M.
 520 N. Main St., Bristow
 MURPHY, MR. HENRY F. (Sustaining)
 419 Monroe St., Stillwater
 MYERS, MRS. R. A.
 1548 S. W. 25, Oklahoma City 8
 NESBETT, MRS. J. R.
 Chickasha
 NEUNER, MRS. ALMA
 2110 W. Mancur, Guthrie
 NORRIS, MR. J. M.
 (Norris Gardens)
 801 N. Peachtree, Ponca City
 NORTH CENTRAL IRIS SOCIETY
 % Mrs. A. B. Watkins
 372 E. Cedar St., Enid
 NUTT, MRS. W. A.
 Box 666, Enid
 OKLAHOMA IRIS SOCIETY (Sustaining)
 % Mr. H. A. Raboin, Pres.
 1808 N. E. 23rd St., Oklahoma City
 PARKER, MRS. BESSIE
 Rt. 1, Earlsboro
 PARKER, MRS. DELMAR E. (Sustaining)
 Box 162, Enid
 PARSONS, MISS BEULAH
 Box 131, Mountain Park
 PATTIN, MRS. JESS
 211 N. Ash, Bristow
 PATTON, MRS. R. E.
 112 E. 10th St., Bristow
 PETETE, MRS. GENIA
 Rt. 4, Box 2, Holdenville
 PEUTER, MRS. R. E.
 1132 N. McKinley, Oklahoma City 6
 PEVETOE, MRS. J. L.
 P. O. Box 386, Skiatook
 PLATO, MRS. HAROLD (Sustaining)
 2217 N. W. 14th St., Oklahoma City
 POST, MRS. FLORENCE
 1909 N. Market St., Shawnee
 PRYER, MRS. RUSSELL
 1216 N. W. 33rd St., Oklahoma City
 RABOIN, MR. HARRISON A. (Sustaining)
 1808 N. E. 23rd St., Oklahoma City
 RAMEY, MRS. A. R.
 711 S. Jenkins, Norman
 RICE, MR. F. E. (Sustaining)
 1351 Dewey Ave., Bartlesville
 REED, MRS. EMMA
 701 W. Warner, Guthrie
 RINEHART, MRS. JAMES
 Rt. 4, Guthrie
 ROGERS, MR. J. LEE (Sustaining)
 Rt. 1, Box 30, Bison
 ROGERS, MR. RALPH D.
 808 W. Illinois, Enid
 RUHL, MRS. N. E.
 832 N. E. 25th St., Oklahoma City 5
 RYAN, MISS DOROTHEA
 2207 N. W. 17th St., Oklahoma City 7
 SANDERS, MRS. EARL F.
 1602 Birch St., Oklahoma City 8
 SAWYERS, MRS. E. G. (Sustaining)
 RR 9, Box 113, Oklahoma City
 *SCHIEFELBUSCH, MRS. ANNA T.
 Box 447, Okmulgee (April 15-May 10)
 SCHNEE, MRS. VERNE H.
 525 Flood St., Norman

SCOUTEN, MRS. VERNON (Sustaining)

Medford

SEIDS, DR. FRED C. (Sustaining)

315½ 7th St., Perry

SENER, MRS. DORA

Post Office, Bristow

SHUPP, MR. LELAND A.

1619 S. Rockford, Tulsa 5

SMITH, MRS. ARTHUR LEE

1427 N. Market, Shawnee

SMITH, MRS. E. A.

402 W. 6th St., Bristow

SMITH, MRS. IRIS (Sustaining)

Hitchcock

SMITH, MRS. MAY V.

1108 S. 11th St., McAlester

SOULIGNY, MRS. DOROTHY M.

911 S. 8th St., Ponca City

SPEARS, MRS. GLENN

2111 N. May Ave., Oklahoma City

SPIERS, MRS. C. C.

2525 N. W. 14th St., Oklahoma City 7

STANLEY, MRS. CYRUS C.

(Apogon Iris Unit)

2401 N. E. 24th, Oklahoma City

STONER, MRS. LIL E.

602 N. Malone, Enid

STUBBLEFIELD, MRS. GOLDIE

207 S. Urbana, Tulsa

TANNER, MR. BRETTE M. (Sustaining)

816 Seventh St., Alva

TERRY, MRS. C. W. (Sustaining)

631 N. Main St., Tulsa 6

THOMAS, MR. HARRY (Sustaining)

1216 Glenwood, Oklahoma City 6

THORESEN, MRS. JACK

Rt. 3, Box 263, Edmond

TIERNAN, MRS. KEITH M.

236 W. 5th St., Bristow

TILBURY, MR. CHARLES L.

1223 W. Warner Ave., Guthrie

TILLOTSON, MRS. ALLEN

1511 S. Gillette, Tulsa 4

TRAYLOR, MRS. GERTRUDE

1124 W. Tahlequak, Sulphur

TRUE, MRS. JAMES G.

1611 Lake St., Lawton

TRUEX, MRS. ARTHUR F. (Sustaining)

3150 Zunis Ave., Tulsa 5

TWYFORD, MRS. JAMES S.

824 N. W. 41st, Oklahoma City

VANFLEET, MRS. ADA E.

Buffalo

WALKER, MRS. B. H.

1113 Woodlawn Pl., Oklahoma City

WALLING, MRS. HARRY

405 W. 7th, Bristow

WASHAM, MRS. ABE

420 N. Oak St., Ponca City

*WHATOFF, MRS. COLIN

Rt. 7, Box 82, Oklahoma City 9

WHITE, MRS. O. H.

507 E. Grand, McAlester

WILDE, MRS. C. A.

Rt. 1, Catoosa

WILLIAMS, MRS. ALFRED

Hurrah

WILLIAMS, MRS. GUY Y. (Life)

468 Elm Ave., Norman

WILLIAMS, MRS. J. FRANK

709 E. Grant, Sentinel

WILSON, MRS. EVELYN

1115 W. Pine, Enid

WILSON, MR. WILBUR G.

121 S. Boulder, Tulsa 3

WOOD, MRS. J. T.

225 W. 9th St., Bristow

YANCEY, MRS. J. E.

410 N. Philadelphia, Shawnee

ZENOR, MRS. J. E.

2232 N. W. 28th St., Oklahoma City 6

OREGON

BAHLING, MRS. SADIE (Sustaining)

1361 W. 11th St., Eugene

BAILEY, MR. WAYNE S.

649 Water St., Springfield

BARRON, MR. TOM (Sustaining)

Rt. 3, Box 214, Hood River

BEEBE, MR. FRANCIS A.

3451 S. W. Canby St., Multnomah

BOYD, MRS. C. R.

630 E. 13th Ave., Eugene

*BRACE, MR. MERLE C. (Sustaining)

1439 W. 8th, Eugene (May 8)

BRUGMAN, MR. JOHN J.

Rt. 2, Box 411, Medford

BRUSHOFF, MR. W. A.

3235 S. W. Scholls Ferry Rd.,

Portland 1

CAMPBELL, MR. HARRY C.

1001 S. E. Water Ave., Rt. 1, Box

2445, Portland 14

CAMPBELL, MRS. HUGH B.

1245 Pacific Terrace, Klamath Falls

CARLSON, MRS. L. V.

Summerville

COFFELT, MRS. SYBYL

Roberts Route, Prineville

COLE, MRS. EMELENE M.

194 N. 9th, Coos Bay

COLLIER, MRS. ALFRED D.

1401 Pacific Terrace, Klamath Falls

COMBELLACK, MRS. FREDERICK M.

3021 Friendly St., Eugene

CONRAD, MRS. GEORGE

212 N St., Cottage Grove

COOLEY, MR. R. M. (Sustaining)

810 N. Water St., Silverton

DAY, MRS. JOHN G.

Rt. 1, Junction City

DeFOREST, MR. FRED

(Irisnoll)

Rt. 1, Monroe

deGRAAFF, MR. JAN (Sustaining)

(Oregon Bulb Farms)

Gresham

DIMM, MR. WALTER R.

535 N. W. 16th St., Portland 9

DOUGLAS, MISS JANE

Timber

FARLEY, MRS. K. C.

P. O. Box 331, Medford

FOUMAL, MRS. WESLEY

9000 S. E. 82nd, Portland 66

GEISER, MR. PETER W.

1330 Fairmount Ave., Salem

GERBER, MRS. A. T.

(Gerber Gardens)

S. Shore Rd., Lake Grove

GRAF, MRS. MARION

Rt. 1, Box 385, Aloha

GRAHAM, MR. E. F.

1030 Bismark St., Klamath Falls

GRUBB, MRS. LARKIN

271 Morton St., Ashland

HART, MRS. JOAN

Langlois Star Route, Bandon

HATFIELD, MRS. MABELL C.

2042 East St., Baker

HOWARD, MRS. E. P.

2939 S. E. Olsen Ave., Portland

JONES, MR. BENNETT C.

5635 S. W. Boundary St., Portland 19

*KALKHOVEN, MRS. MARY E.

2792 Riverview St., Eugene (May 1-14)

KERSHISNIK, MRS. P. F.

6707 N. Michigan Ave., Portland 3

KLEINSORGE, DR. R. E. (Sustaining)

Silverton

KRAUS, DR. J. E.

Benton Hotel, Corvallis

KRAUSE, MR. G. A.

Box 66, Klamath Falls

LIBRARY ASSOCIATION OF PORTLAND

Portland 5
 *LOOMIS, MRS. WILLIAM G.
 590 Illinois St., Salem
 MacALEVY, MR. GEORGE L.
 (Oregon Blub Farms)
 Box 173A, Rt. 1, Sandy
 MARKS, MRS. E. E.
 Joseph
 MARX, MR. WALTER E.
 P. O. Box 38, Boring
 MASSEY, MRS. THOMAS B.
 Rt. 2, Box 137, Eugene
 MEDBERRY, MRS. RALPH
 Box 168, Rt. 1, Eugene
 MILLER, MRS. W. D. (Sustaining)
 432 N. 9th St., Klamath Falls
 MITSCH, MR. GRANT E.
 Canby
 *MORGAN, MRS. V. C.
 200 Ruby Ln., Eugene
 MORRIS, MRS. JOHN
 Box 104, Imbler
 *NATIONAL IRIS GARDENS (Sustaining)
 (Mrs. Edna C. Weed)
 Beaverton
 NEWTON, MRS. GRACIE
 1816 S. E. 34th Ave., Portland
 *NICHOLS, MRS. R. T.
 916 Whitman Ave., Medford
 NORRIS, MRS. RALPH R. (Sustaining)
 Old Stage Rd., RR 2, Box 446,
 Medford
 OREGON STATE LIBRARY
 Salem
 PEPPER, MRS. R. M.
 517 N. 2nd St., Corvallis
 POWERS, MISS JOSEPHINE
 Murphy
 PUTNEY, MRS. W. W.
 Rt. 1, Box 893, Beaverton
 RICHARDS, MRS. D. E.
 Oxbow Ranch, Prairie City
 RIDDLE, DR. MATTHEW C.
 2557 S. W. Vista Ave., Portland
 ROBINSON, MR. HUGH W.
 Box 369, Eugene
 *SCHREINER, MR. BERNARD
 Rt. 2, Box 327, Salem (May 12-20)
 *SCHREINER, MR. ROBERT V.
 Rt. 2, Box 327, Salem (May 12-20)
 SIMMONS, MR. WILLIAM
 Wilhelma Ranch, RFD 2, Junction City
 SMITHLEY, MRS. VERA BOOTH
 930 Cummings Ln., Salem
 SOOYSMITH, MR. H.
 505 Builders Exchange Bldg.,
 Portland
 STARKER, MR. CARL
 Jennings Lodge
 *STIERS, MRS. ELMA
 Lowell
 STUBBS, MRS. CHARLES (Sustaining)
 Rt. 1, Aloha
 SVOBODA, MRS. J.
 6355 N. Omaha Ave., Portland
 SUITER, MRS. GLEN
 Rt. 2, Nyssa
 TIBBETS, MRS. HAZELL
 3833 N. E. 33rd, Portland
 WATTERS, MRS. T. B.
 1217 Pacific Terrace, Klamath Falls
 WEAR, MISS EVA M. (Sustaining)
 1106 G Ave., Le Grande
 *WEED, MR. WILBUR W.
 680 Chestnut Dr., Eugene (May 10-25)
 WESTENSKOW, MRS. WALLACE
 Imbler
 WESTER, MRS. C. W.
 710 Laurence St., Eugene
 WHITE, MRS. ADRIA A.
 Wasco

WHITNEY, MRS. SHERMAN
 (Whitney's Nursery)
 3844 N. E. 20th Ave., Portland 12
 YOCOM, MR. HARRY B.
 2727 Agate St., Eugene

PENNSYLVANIA

AGRICULTURAL LIBRARY
 Pennsylvania State College, State
 College
 BAACK, MR. GUSTAV A.
 2910 N. Marshall St., Philadelphia
 BAHNEY, MRS. EDGAR N.
 Box 206, Myerstown
 BAILEY, MR. WALTER B.
 Box 36, Glenwillard
 BEACH, MR. EARL F.
 349 Johnston Rd., Pittsburg 21
 *BEAMOUNT, MRS. R. S. (Sustaining)
 S. Highland Ave., Oakdale, Alleg., Co.
 BEECH, MR. WILLIAM WALTER
 1042 S. 58th St., Philadelphia 43
 BESNEY, MR. CARL
 119 E. 15th St., Homestead
 BOLGER, MR. J. DONOVAN
 1330 Markley St., Norristown
 BOXE, MR. JOHN W.
 RD 1, Lewistown
 BRECK, MRS. WILLIAM R.
 The Ranch House, Roberts Rd.,
 Rosemont
 BYE-WAY GARDENS
 2569 Stephens St., Palmer Hgts.,
 Easton
 CHAMBERS, MRS. WILLIAM EDWARD
 282 Forest Rd., Merion Station
 CIELO, MRS. KELLEY K.
 RD 5, Punxsutawney
 COLEMAN, MRS. H. A.
 717 Ferndale Ave., Johnstown
 CONKLIN, MRS. GARRET
 50 Congress St., Bradford
 COWAN, MRS. R. S.
 Weisel
 CZINKI, MRS. J. W.
 Colver
 DAVIES, MRS. H. T.
 Box 102, Rt. 1, McDonald
 DAVIES, MR. JOHN GLYN
 415 15th St., Scranton 4
 DELAHANTY, MRS. C. A.
 114 N. Edgemont St., Media
 DOLMAN, PROF. JOHN, JR. (Sustaining)
 304 Vassar Ave., Swarthmore
 FENNINGER, MR. C. W.
 100 W. Moreland Ave., Chestnut Hill,
 Philadelphia
 FICKES, MRS. ANNA E.
 111 N. Main St., Manchester
 FOX, MR. WILLIAM C., JR.
 2944 Ridge Ave., Philadelphia
 GEDDES, MR. JOHN M.
 331 High St., Williamsport 34
 GEORGE, MRS. CLIFFORD
 Richeyville
 GEST, MISS MARGARET (Life)
 5620 City Ave., Overbrook,
 Philadelphia
 GIRTON, MRS. G. E.
 179 W. 9th St., Bloomsburg
 GREENE, MR. RYLAND W.
 161 Rose Ln., Haverford
 HAYDEN, MR. JULIUS, JR.
 Hatfield
 HICKOK, MR. WILLIAM O.
 Windyhill, Box 824, Harrisburg
 HIRES, MRS. J. EDGAR (Life)
 "Rehobeth" Strafford, Wayne P. O.
 HOLTON, MR. OLIVER W.
 Dodson Bldg., Bethlehem
 HUMPHREY, MRS. E. W.
 Belmont Rd., Mounted Rt. 10, Butler

* Indicates Garden Open

INGERSOLL, MISS ANNA WARREN (Life)
 Forest Hill, Penllyn
 KIMMICK, MRS. WALTER L.
 401 Woodside Rd., Pittsburg 21
 KONKLE, MRS. GEORGE A.
 Greenview Farm, Montoursville
 *LANDT, MRS. GUSTAVE E.
 Curren Terrace, 1507 Boyer Blvd.,
 Norristown
 LAUGHNER, MR. JOHN WILLIAM
 RD 7, Mahoningtown
 LEMMON, MRS. WILLIAM T.
 Ardmore Ave. & Tunbridge Rd.,
 Ardmore
 LINN, MRS. GERTUDE (Sustaining)
 5936 Interboro Ave., Lincoln Pl.,
 Pittsburgh 7
 *LYSTER, MR. JOHN C.
 120 W. Providence Rd., Clifton
 Heights
 MARTIN, DR. CARL S.
 26 S. Lansdowne Ave., Lansdowne
 *MAYHUE, MR. J. E.
 413 E. Bell Ave., Altoona
 MERCER, MRS. W. B. (Life)
 Doylestown
 MIKLE, MR. ROY (Sustaining)
 3600 Hillcrest St., Harrisburg
 MILLER, MRS. MIRIAM L.
 2538 Perkiomen Ave., Mt. Penn,
 Reading
 MOORE, MR. C. S., JR.
 455 E. Chestnut St., Kennett Square
 NELSON, MR. HAROLD B., JR.
 1310 N. Van Buren St., Allentown
 NEWCOMB, MRS. GUY H.
 Box 21, Downingtown
 PALINKO, MRS. A.
 108 Center St., Freeland
 *PALMER, MR. EDWIN L.
 Woodside & Prospect Ave., Primos
 (May 15-June 8)
 PAULIN, MR. G. W.
 Box 211, Leechburg
 THE PENNSYLVANIA HORTICULTURAL SOCIETY
 389 Broad St., Station Bldg., 1617
 Pennsylvania Blvd., Philadelphia 3
 PFALTZGRAFF, MRS. G. W.
 607 S. George St., York
 *PRICE, MRS. R. MOORE (Sustaining)
 New Hope
 REED, DR. GEORGE M.
 25 S. Linwood Ave., Pittsburgh 5
 RISTINE, MRS. C. S. (Life)
 Strafford, Wayne P. O.
 ROBERTS, MRS. WILLIAM
 4730 Darrah St., Philadelphia 24
 RODALE, MR. J. I., EDITOR
 (Organic Gardening)
 Emmaus
 SAINTS, MRS. CHARLES B.
 201 Alden Rd., Rosslyn Farms
 Carnegie
 SCOTT, MRS. ARTHUR H. (Life)
 Rt. 3, Media
 SENSENBACH, MR. CLOYD F.
 612 Berwick St., White Haven
 SHARP, MISS ESTELLE L.
 Berwyn
 SHELMIER, MR. J. MALCOLM
 RFD 3, West Chester
 SMITH, MR. HAROLD ROSS
 321 S. Highland St., Du Bois
 SNAVELY, MR. JOSEPH C., JR.
 7422 Overhill Rd., Melrose Park,
 Philadelphia 26
 SOMERS, MRS. R. E.
 1059 N. Negley Ave., Pittsburgh 15
 SPAIDE, MRS. M. F.
 110 Pennsylvania Ave., Lewistown
 SPARKS, MR. H. E.
 238 E. Glenside Ave., Glenside
 SPEER, MR. A. BURNS (Sustaining)
 5514 Wilkins Ave., Pittsburg 17

STEVENS, MRS. GUY E.
 Rt. 1, Middlebury Center
 STRAYER, MR. F. R.
 Box 492, West Chester
 TRAX, MR. EDWARD C.
 15th & RR Sts., McKeesport
 TYSON, MRS. CARROLL S., JR. (Life)
 8811 Towanda St., Chestnut Hill,
 Philadelphia
 *VORIS, MR. CHARLES WILLIAM
 251 Broadway, Milton (May 15-June 7)
 *WEIDNER, MR. EARL W.
 1405 N. 5th St., Reading (May 21-28)
 WEILAND, MRS. J. A.
 235 Anderson Ave., Phoenixville
 WELLINGTON, MRS. A. C.
 1035 Ringgold St., Pittsburgh 5
 WERTMAN, MR. RALPH I.
 Mapleside Farm, Rt. 2, Tamaqua
 WHITE, MRS. WALLACE J.
 401 5th Ave., Juniata, Altoona
 WILLIAMS, MRS. JOHN S.
 RFD 1, Doylestown
 WISTER, MR. JOHN C. (Life)
 Scott Foundation, Swarthmore
 College, Swarthmore
 WONS, MR. ANTHONY
 127 Ivey Rock Ln., Haverton
 WOOD, MR. WAYNE
 RFD 1, Newville

RHODE ISLAND

EVANS, MISS ANNA L.
 145 Medway St., Providence 6
 FRASER, MRS. A. D.
 49 Woodlawn Ave., Bristol
 GIFFORD, MISS DOROTHY W.
 43 Elmgrove Ave., Providence
 HOFFMAN, MRS. THEODORE E.
 7 Esplanade, Newport
 McCONNELL, MR. ALLAN P. (Sustaining)
 289 Roger Williams Ave., Rumford 16
 ROBINSON, MR. E. D.
 (Esmond Iris Gardens)
 Box 305, Esmond
 WATKINS, MISS MARY S.
 43 Elmgrove Ave., Providence 6

SOUTH CAROLINA

BLAKE, MRS. L. J. (Sustaining)
 "Three Oaks", Spartanburg
 BOATWRIGHT, MRS. BENJAMIN
 Mosswood, Johnston
 *CANNON, MR. GABRIEL (Sustaining)
 543 Otis Blvd., Spartanburg
 (April 25-May 5)
 CHARLES, MRS. PRESTON
 113 Aberdeen Dr., Greenville
 CHREITZBERG, MR. H. F.
 462 Perronneau St., Spartanburg
 CLEVELAND, MR. CONRAD P., JR.
 The Cleveland Co., Montgomery Bldg.,
 Spartanburg
 COVINGTON, MRS. GEORGE MOORE
 Norwa
 FRETWELL, MRS. RAYMOND
 2407 W. North Ave., Anderson
 GRAMLING, MRS. HENRY
 Gramling
 HARTER, MRS. BRUCE
 Fairfax
 HARTSELL, MRS. E. P.
 24 Poinsett Ave., Greenville
 HENDERSON, MRS. ANNIE T.
 710 N. Main St., Greenville
 HENDERSON, MRS. W. E.
 Verdery
 HILL, MRS. E. A.
 Box 628, Anderson
 HOBSON, PROF. HARVEY (Sustaining)
 Box 1326, Clemson

* Indicates Garden Open

*HODGES, MRS. G. L.
1014 S. Manning St., Anderson
(April 30-May 5)
HOLLING, MISS HATTIE L.
% W. K. Prause, 178 King St.,
Charleston 5
HOLMAN, MRS. D. O.
Timmonsville
THE IRIS CLUB
% Mrs. William R. Willauer
Hill Crest, Spartanburg
JENKINS, MRS. J. G.
311 Laurel St., Gracemont, Greenwood
JOHNSTON, MR. A. E., SR.
104 Briarcliff Dr., Greenville
KING, MRS. EDWIN
Rt. 6, Greenville
LANDOLINA, MRS. W. C., SR.
Rt. 9, Box 203, Naval Base 53
LEITZSEY, MR. B. B., JR.
Principal, Jr. High School, Florence
McCLAM, MISS MAUD S.
Scranton
McCOLL, MRS. H. L.
105 Jennings St., Bennettsville
NORRIS, MRS. DAVID L.
605 Pendleton St., Greenville
PARKES, MR. A. B.
Clio
POLLARD, MR. F. H. (Sustaining)
Box 1017, Clemson
PRESBYTERIAN COLLEGE, LIBRARY
Clinton
RICHARDSON, MRS. NATHAN
30 Pendleton St., Charleston 30
ROUTH, MISS RUTH SARA
Rt. 4, Spartanburg
SAYLORS, MRS. J. H.
Box 92, Anderson
SCHLEY, MRS. L. D.
Jackson Ave., Hampton
SIMPSON, MR. W. D.
Box 354, Greenville
STEINHART, MRS. C. V.
511 Prince St., Georgetown
TOMMS, MRS. L. F.
4107 Ridgewood St., Columbia 47
VAUGHAN, MR. WILLIAM P.
P. O. Box 792, Greenville
WAYNSWORTH, MR. W. F. B.
103 E. Calhoun St., Sumter
WHITESIDE, MR. JAMES S.
Edgemoor
WILSON, MISS LOLA
Tamassee

SOUTH DAKOTA

APTED, MR. H. W.
Yankton
BEHRENS, MRS. ETHEL
1017 Clark St., Rapid City
BURCH, MRS. WAVA
Box 185, Centerville
HANDLIN, MR. SCOTT D.
Sturgis
HENGEL, MR. PAUL W.
338 N. Highland Ave., Pierre
KIRK, MISS MARGARET
Springfield
MAXON, MR. MARCUS (Sustaining)
Horticulture Dept., SDSC, Brookings
O'BRIEN, MR. R. E.
235 N. Duluth Ave., Sioux Falls
WRIGHT, MRS. OWEN
708 Colorado S. W., Huron

TENNESSEE

ALEXANDER, MRS. A. A.
Mt. Juliet
ALFORD, DR. JOSEPH W., JR.
1219 Bennie-Dillon Bldg., Nashville

*ALLEN, MRS. A. F. (Sustaining)
1361 Monroe Ave., Memphis
ALLEN, DR. CHESTER G.
1278 Vinton, Memphis
ANDREWS, MR. NORMAN (Sustaining)
Deer Park Dr., Nashville 5
BECK, MR. EDGAR S.
1105 W. Mississippi Ave., North
Chattanooga 5
BELL, MRS. JAMES I. (Sustaining)
Box 406, Savannah
BELMONT GARDEN CLUB
% Mrs. E. M. Bond
Curtis Woods Ln., Nashville 4
BENTON, MRS. JOHN KEITH
205 Walnut Dr., Bellemeade,
Nashville 5
BLACKWELL, MRS. SAMUEL
Rt. 1, Box 124, Whitehaven
BOYD, MRS. G. N.
3708 Fourth Ave., Chattanooga
BRATTAIN, MRS. RAYMOND (Sustaining)
5034 Summer Ave., Memphis
BROWN, MRS. CLIFTON J.
Box 83, Franklin
BROWN, MR. J. P.
1450 Monroe, Memphis
*BROWN, MR. WALTER L.
912 Gilmore Ave., Nashville 4
BRUCE, MRS. ROBERT
925 N. Auburndale, Memphis
CALDWELL, MRS. HOUSTON W.
Hickory Hills, Ashland City
CALDWELL, MR. SAM (Sustaining)
Rt. 4, Holt Rd., Nashville 11
CAMPBELL, MRS. RUSSELL
1175 Murfreesboro Rd., Nashville 4
*CARNEY, MR. ROBERT S. (Sustaining)
3551 Midland, Memphis
CENTENNIAL CLUB (GARDEN DEPARTMENT)
(Sustaining)
128 8th Ave., S., Nashville 3
CHEROKEE PARK GARDEN CLUB
% Mrs. R. C. Wharton, Pres.
303 Lauderdale Rd., Nashville
*CLARK, MRS. C. R. (Sustaining)
372 Grandview, Memphis
*CONNELL, MR. CLARENCE P.
Campbell Ln., Goodlettsville
*COX, MRS. ROBERT
620 W. Main St., Lebanon
CROFT, MISS MARGARET (Sustaining)
Grassmere, Woodbine Station,
Nashville 11
DAVIS, MRS. ALLEN
300 Ben Aron Way, Memphis
DILLON, MRS. W. W. (Sustaining)
2420 Garland Ave., Nashville 5
DIXON, MRS. W. C. (Sustaining)
3311 Fairmount Dr., Nashville 5
DORRIS, MRS. C. V.
607 Crestview Dr., Springfield
*DOUGLAS, MR. GEDDES (Sustaining)
444 Chestnut St., Nashville 10
(May 5-15)
(Garden: Hill Rd., Brentwood)
DOUGLAS, MRS. GEDDES (Sustaining)
Hill Rd., Brentwood
ETOWAH GARDEN CLUB
% Mrs. N. B. Hammons
Etowah
FAULKNER, MRS. DOUGLAS H.
960 Graybar Ln., Nashville 4
FAUNTLEROY, MR. THOMAS
2263 Jefferson, Memphis
FLOWER LOVERS CIRCLE
% Mrs. E. O. Coffman
213 Pulaski St., Lawrenceburg
FOX, MR. & MRS. E. R.
1663 Glenview Ave., Memphis
GALE, MR. W. DUDLEY
223 Third Nat'l. Bank Bldg.,
Nashville 3

GARDEN CLUB OF NASHVILLE
 % Mrs. Harry A. Howe
 1925 E. Greenwood Ave., Nashville

GARDEN STUDY CLUB
 % Mrs. M. A. Montgomery
 106 33rd Ave., N., Nashville 5

GENUNG, MRS. C. R.
 1313 Greenwood Rd., Chattanooga 4

GLENN, DR. L. C.
 2111 Garland Ave., Nashville 5

*GOTTO, MRS. R. A. (Sustaining)
 1017 Bate Ave., Nashville

GRAHAM, MRS. HENRY A. (Sustaining)
 4228 Brush Hill Rd., Nashville 6

GRANNY WHITE GARDEN CLUB
 % Mrs. Whitten Duncan, Treas.
 4414 Granny White Rd., Nashville 4

HAMPTON GARDEN CLUB
 % Mrs. H. E. Eller
 Hampton Ave., Nashville

HARDING-JACKSON GARDEN CLUB (Sustaining)
 % Mrs. John A. Pritchett
 3803 West End, Nashville

HARDISON, MRS. E. K., SR.
 2501 Hillsboro Rd., Nashville

HARDISON, MRS. ERNEST
 Nolensville Rd., Nashville

HEISKELL, MRS. LONGSTREET (Sustaining)
 2171 S. Parkway E., Memphis

HILLSBORO ROAD GARDEN CLUB
 % Mrs. I. L. Ferguson
 4202 Hood Ave., Nashville

HOPKINS, MRS. THORNTON (Sustaining)
 Woodmont Blvd., Nashville 4

HORN, MR. STANLEY F.
 917 Berryhill St., Nashville 3

HORTICULTURAL SOCIETY OF DAVIDSON
 COUNTY (Sustaining)
 % Mrs. J. A. Pittman
 4207 Hood Ave., Nashville

HUDSON, MRS. WILLIAM A.
 3829 Mission View, Chattanooga 4

HUMPHRIES, MRS. R. B.
 Rt. 1, Brownlee Rd., Whitehaven

HURT, MRS. J. R.
 812 N. Graham Ave., Memphis

JACOBS, MRS. PEARL M.
 Bonita Ave., Fountain City

JONES, MRS. LLOYD E.
 2032 Avalon Ave., Chattanooga

JORDAN, MRS. W. H.
 101 Pelham Rd., Oak Ridge

JUDD, MRS. J. W. (Sustaining)
 328 Cameron St., Chattanooga

*KETCHUM, MRS. MORGAN (Sustaining)
 178 S. McLean Blvd., Memphis 4

KING, MR. H. J.
 328 Vaughn St., Nashville

KINGREE, MRS. B. D., SR. (Sustaining)
 Shelbyville

*LaBUNDY, MR. GERALD
 (LaBundy Iris Gardens)
 2577 Oxford St., Memphis 12

LEHMAN, MR. WILLIAM
 Rt. 3, Box 74, Kingsport

LEWIS, MISS FLORENCE A.
 Wayside-Tennessee Ave., Sewanee

*McDADE, MR. CLINT (Sustaining)
 Rivermont Dr., Chattanooga

McKEE, MRS. W. F.
 3624 Macon Rd., Memphis

McKNIGHT, MRS. S. D.
 Rt. 3, Murfreesboro

McLEOD, MR. H. M., JR.
 110 Porter Rd., Oak Ridge

MARTIN, MRS. ELBY D. (Sustaining)
 4462 Poplar Pk., Memphis 11

MAURY COUNTY GARDEN CLUB
 % Mrs. John W. Walton, Pres.
 Carter's Creek

MEADORS, MRS. JOHN ALLEN (Sustaining)
 4209 Sneed Ave., Nashville 5

MOSBY, MRS. S. G.
 265 N. Garland St., Memphis

MURFREESBORO GARDEN CLUB
 % Mrs. Lane Boutwell, Pres.
 711 Tennessee Blvd., N.,
 Murfreesboro

MURRAH, MRS. WILLIAM F.
 1615 Central Ave., Memphis

NASH, DR. T. P., JR.
 182 S. Idlewild, Memphis

ORR, MRS. ROBERT, III
 Pembroke Ave., Bellemeade, Nashville

OWEN, MRS. HAYS E.
 417 Garland Ave., Covington

PALMER GARDEN CLUB (Sustaining)
 % Mrs. Everett Roberts, Pres.
 Palmer

PARRY, MRS. ARTHUR W.
 (Parry Nurseries)
 Signal Mountain

PATY, MRS. C. E.
 819 Stonewall, Memphis

PAUL, MRS. W. C., JR.
 1729 Holman Ave., Memphis 6

PIERCE, MRS. J. C.
 Cordova

*PIERCE, MR. JOHN E.
 2583 Jackson Ave., Memphis 12

PRESSON, MRS. LESTER P.
 Rt. 1, Box 121, Whitehaven

RALEIGH GARDEN CLUB
 % Mrs. Douglas J. Thomas, Pres.
 Rt. 3, Box 146A, Memphis 12

RAVAN, MRS. CLAUDE L.
 418 Sioux Trail, Chattanooga

REYNOLDS, MRS. GEORGE S.
 4617 Michigan Ave., Chattanooga 9

*REYNOLDS, MR. & MRS. LEO F. (Sustaining)
 4284 Auburn Rd., Memphis 16

*ROBINSON, MR. JOHN B.
 4510 Colorado Ave., Nashville 9

SADLER, MR. JOHN H.
 400 Scenic Dr., Knoxville

SAWYER, MRS. M.
 1407 Preston St., Memphis

SCHARFF, MR. JAKE H. (Sustaining)
 1174 Fountain Ct., Memphis

SCHIER, MR. C. A.
 416 E. Brow Rd., Lookout Mountain

THE SEWANEE GARDEN CLUB
 % Mrs. I. B. Warner, Pres.
 Sewanee

SHARP, MRS. VERNON, JR.
 Wilson Pike, Franklin

SMITH, MRS. J. GOULD
 Tarver & Spring Sts., Lebanon

STEPHENS, MR. WEBB J.
 5000 Wyoming Ave., Nashville 9

STONE, MRS. W. E. (Sustaining)
 Homestead, Rt. 3, Concord

STURTEVANT, MR. R. S. (Life)
 Overton Lea Rd., Rt. 5, Nashville 4

TAYLOR, MRS. A. H.
 441 W. Main St., Newport

THIEMEYER, MR. ERNEST E. (Sustaining)
 341 Madison Ave., Memphis

TOWN & COUNTRY GARDEN CLUB
 % Mrs. Theodore Morford
 Woodmont Blvd., Nashville

*WASHINGTON, MRS. T. A.
 Rt. 1, Brentwood

WAVERLY GARDEN CLUB
 % Mrs. B. F. Ford
 3711 Rosemont Ave., Nashville 4

WEAVER, MR. & MRS. F. A. (Sustaining)
 Rt. 4, Box 650, Memphis

WEBB, MRS. G. CURTIS
 304 Guild Dr., Chattanooga 4

WERNER, MRS. A. W.
 1309 Plymouth Ave., Nashville 6

WHITEHAVEN HOME & GARDEN CLUB
 % Mrs. W. M. Edmiston
 Box 3208, Memphis

*WICKER, MR. WILLIAM H.
 1101 S. 22nd St., Knoxville
 (April 15-May 5)

WILKINS, MRS. L. W.
1467 Linden Way, Memphis
WILLIAMS, MR. VAL E. (Sustaining)
Millington
*WILLS, MR. J. E. (Life)
National Bldg., Nashville (May 5-15)
(Garden: Belle Meade Blvd.,)
WILLS, MRS. J. E. (Sustaining)
Belle Meade Blvd., Nashville 5
WINCHESTER GARDEN CLUB
% Mrs. Roy Babb
Winchester
WYATT, MRS. CHESTER (Sustaining)
2315 Byrn Rd., Memphis
WYNNS, MRS. J. M.
Lebanon
YORKE, MRS. R. E.
1284 S. Willett, Memphis

TEXAS

AIKEN, MRS. JOHN MORGAN
3718 Vaughn Blvd., Fort Worth 5
ALDREDGE, MRS. GEORGE N.
5500 Swiss Ave., Dallas 6
ALLARD, MRS. ED
108 Race St., Lampassas
ALLEN, MR. GEORGE M.
1915 W. Magnolia Ave., San Antonio 1
ALLEN, MRS. GUS
Arp
BACK, MRS. ETTA M.
Mansfield
BAILEY, MRS. SAM
415 N. Barnett, Dallas 11
BAIRD, DR. SYDNEY S.
4105 Live Oak St., Dallas
BAIRD, MRS. SYDNEY S.
4105 Live Oak St., Dallas
BARNETT, MRS. W. A.
Box 11, Chillicothe
BARRETT, MRS. I. P.
3819 Race St., Fort Worth
BARRETT, MR. STEVE
4301 Purdue St., Dallas
BARRETT, MRS. STEVE J. (Sustaining)
4301 Purdue, Dallas 5
BASHAM, MR. R. E.
1400 Fillmore St., Wichita Falls
*BAXTER, MRS. J. O.
Rt. 2, Wichita Falls (April 15-May 15)
BEATTY, MR. E. T.
2401 Grim St., Waco
BEAVERS, MRS. GEORGE H.
Rt. 1, Box 419, Vernon
BEHRMAN, MRS. F. F.
2504 Isabella, Houston 4
BELL, MRS. R. C.
708 Conner Ave., Fort Worth 5
BENNETT, MRS. WILLIAM H. (Sustaining)
336 N. Lancaster Ave., Dallas 8
BENSON, MR. JOE C.
% Citizens Nat'l. Bank, Abilene
*BENSON, MR. Z. G.
1509 22nd St., Wichita Falls
BERGER, DR. B. J.
3916 Stonebridge Dr., Dallas
BINNEY, MRS. R. F.
409 College Ave., Arlington
BIRGE, MISS WILLIE I.
2408 Neuces St., Austin
BLANTON, MRS. JACK
3717 5th St., Port Arthur
BLUM, MRS. GEORGE L.
2512 Timberline Dr., Fort Worth
BOSS, MRS. JOHN A.
2702 Ninth, Wichita Falls
BOULDIN, MRS. LLOYD
604 N. W. 2nd St., Mineral Wells
BOYLAN, MRS. K. W.
1103 Hedgecote, Borger
BOYT, MR. E. V.
Box 566, Devers

BRADLEY, MRS. M. S.
Rt. 2, Box 412, Dallas 8
BRAGG, MRS. W. W.
Box 335, Chillicothe
BRANNAN, MRS. VERGIE
Box 493, Wills Point
BREIHAN, MISS LAURA
5822 Worth St., Dallas 14
BREM, MRS. A. H.
321 S. Cross St., San Antonio
BRITTINGHAM, MR. WILLIAM H.
Division of Horticulture, Texas
Agricultural Experiment Station,
College Station
BRITTON, MRS. TOM
Box 367, Burkburnett
BROOKS, MRS. BERNEECE
% Citizens State Bank, Bastrop
BROOKS, MRS. L. E.
Iowa Park
BUCHANAN, MRS. G. TAYLOR
805 Bluff St., Wichita Falls
BUCHANAN, MRS. J. L.
2521 Timberline Dr., Fort Worth 5
BULLOCK, MRS. A. J.
930 Virginia, Graham
BURCHARD, MRS. W. F.
1518 N. 7th St., Temple
BURGES, MISS MARGARET R.
Box 345, Seguin
BURT, MRS. LAWRENCE
Rt. 2, Box 215, Waco
CAMPBELL, MRS. E. F.
Morgan
CAMPBELL, MISS ETHAN
6 W. French Ave., Temple
CAMPBELL, MR. R. L.
1403 E. Richards, Sherman
CARRIGAN, MRS. J. A.
Rt. 10, Box 214C, Fort Worth
CARTER, MRS. CHRISTINE B.
5006 Cedar Springs, Dallas 9
CARTER, MISS DAPHNE
1101 N. 7th St., Temple
CASEY, MRS. EARL
805 S. 17th St., Temple
CASWELL, MRS. W. T.
1502 West Ave., Austin
CHEATHAM, MR. B. NORRIS
4536 Arcady Ave., Dallas 5
CHILDERS, MRS. PRESTON A.
Rt. 1, Temple
CHRISTOPHER, MISS FRANCES
812 E. Bluff St., Fort Worth
CHURCHILL, MRS. T. R.
4020 W. 7th St., Fort Worth 7
CLARK, MRS. J. B.
(Clark's Posy Patch)
Rt. 12, Box 23, Fort Worth
COCHRAN, MR. W. R. (Sustaining)
3500 Beverly Dr., Dallas 5
COLE, MRS. A. L.
605 Elm St., McKinney
COLE, MR. JACK L.
Box 281, Denton
COLLIER, MR. JESSE W.
1018 S. 31st, Temple
COOK, MRS. IOM
120 Sidney St., Longview
COOKE, MRS. HAROLD G. (Sustaining)
McMurray College, 1632 Sayles,
Abilene
COOPER, MRS. ARLIN B.
7408 Franklin Rd., El Paso
COPPOCK, MRS. CHARLES
Box 346, Iowa Park
CORNELIUS, MISS INA
Rt. 2, Grapevine
CORYELL, MR. GEORGE, JR.
1418 Alhambra, San Antonio
COTTEN, MRS. FRED R.
208 E. Oak, Weatherford

COWARD, MRS. W. E.
(Coward's Iris Gardens)
608 N. Rogers, Waxahachie

CREED, MRS. J. R.
Roxton

CRIM, MRS. L. N.
Box 1081, Kilgore

CROW, MRS. E. L.
3225 Lovers Ln., Dallas 5

CRUDGINGTON, MR. JONATHAN
1217 W. 11 Ave., Amarillo

CRUMPLER, MRS. W. M.
2724 Carolina Way, Houston 5

CULLUM, MRS. FRANK
2020 Downing St., Wichita Falls

DAVIS, MRS. E. A.
33 Wichita Gardens, Wichita Falls

DAVIS, MRS. JOHN T., SR.
Box 935, Throckmorton

DAY, MISS OLLIE
902 N. 13th, Temple

DECKARD, MR. RAYMOND K.
Box 3123, Amarillo

DENTLER, MRS. FRANCES LEAVERTON
6802 Staffordshire, Houston 4

DIXON, MRS. J. A. (Sustaining)
Box 1500, Vernon

DONALSON, MR. S. J., JR.
3768 Harper St., Houston 5

DOSSETT, MRS. A. M.
1010 E. Franklin St., Hillsboro

DYER, MRS. SAM (Sustaining)
Box 395, Clarendon

EDGEALL, MR. GEORGE
Rt. 5, Tyler

EHLERT, MR. WALTER, JR. (Sustaining)
1300 Burnett St., Wichita Falls

ELLIS, MRS. CARL (Sustaining)
402 S. Colgate, Perryton

ETHERIDGE, MRS. J. B.
515 Exeter St., San Antonio 9

EUBANKS, MRS. GEORGE
1103 N. 9th, Temple

FARRINGTON, MRS. WILLIAM G.
5345 Woodway Dr., Houston 19

FENET, MRS. J. P.
507 S. Church St., Paris

FORT WORTH PUBLIC LIBRARY
Fort Worth 2

FREEDMAN, MRS. LOUIS H.
116 Hazelwood Dr., Fort Worth

FREEMAN, MRS. A. G.
Box 175, Grapevine

FRENCH, MR. J. H.
118 Green Lawn Dr., San Antonio

FREY, MRS. HARRY
Georgetown

FROST, MRS. JACK E. (Sustaining)
New Boston

FRY, MRS. JOHN
Rt. 5, Lubbock

FUGATE, MRS. HARRY
3501 Haynie, Dallas

FULKERSON, MR. H. F.
523 W. Page St., Dallas 8

FULLER, MRS. ROY C.
742 Sandefer St., Abilene

GAGE, MRS. MARION J.
Afghan Gables, 800 Park Blvd.,
Austin

GAINESVILLE IRIS CLUB
% Mr. Wilson King
Gainesville

GARNER, MRS. CECIL
1701 Cleveland, Waco

GENT, MRS. A. G.
1101 Elmwood Dr., Abilene

GILBERT, MRS. MARK
2109 San Gabriel St., Austin

GILES, MISS ANNIE T. (Sustaining)
2824 Manor Rd., Austin

GILL, MRS. J. E.
1616 12th St., Wichita Falls

GILL, MRS. J. H.
901 N. Brook St., Wichita Falls

*GILLIAM, MR. R. A.
1123 Cedar Hill Ave., Dallas 8

*GOODWIN, MRS. J. C.
Rt. 3, Plainview

GOWER, MRS. ROY
603 N. Main St., Cleburne

GUNN, MRS. ELBERT
3401 Westcliff Rd., S., Fort Worth

HADEN, MRS. JOEL W.
4315 Southwestern Blvd., Dallas

HAGGARD, MR. S. E.
2924 Quenby Ave., Houston 5

HALL, MR. FRANK W.
Box 44, Georgetown

HALL, MRS. T. C.
603 W. Garfield Ave., Temple

HALLMARK, MRS. ESKA
103 W. 3rd St., Lampasas

HAMILTON, MRS. B. H.
Rt. 4, Box 58, Wichita Falls

HAMILTON, MRS. C. S.
710 N. Pearl St., Dallas

HAMILTON, MRS. W. C.
1801 Collins St., Wichita Falls

HANEY, MRS. L. C.
Box B, Tahoka

HARRISON, MRS. J. C.
1102 N. 3rd St., Temple

HARRISON, MRS. ROY
1609 W. 7th Ave., Corsicana

*HASKOVEC IRIS GARDENS
Hwy. 34, E., Ennis

HATZENBUEHLER, MRS. JANE
4427 Somerville, Dallas 6

HAUSKINS, MR. ALBERT
2631 Harlandale Ave., Dallas 16

HAYES, MR. H. B.
(Elmwood Iris Gardens)
1731 Elmwood Blvd., Dallas

HEATH, MISS JOYCE
Chillicothe

*HENKELMAN, MR. H. H.
4020 Linden, Fort Worth 7 (April 15-25)

HESS, MRS. FRED D.
4455 Taos Rd., Dallas 9

HINES, MRS. INEZ
2204 23rd, Lubbock

HOME & GARDEN STUDY CLUB
% Mr. Oscar Brady
2615 Prairie, Fort Worth

HORNER, MRS. FRED J.
Uvalde

HORTON, MRS. ARLENE
Box 12, Jacksboro

HOUSER, MRS. A. C.
Box 572, Burkburnett

HUBBARD HEIGHTS GARDEN CLUB
% Mrs. L. L. Jordan
4420 McCash Ave., Fort Worth

JENNINGS, MRS. J. L.
Roxton

JENNINGS, MR. JOHN M.
6043 Floyd St., Houston 7

JOHNSON, MRS. L. P.
836 Willis St., Abilene

JOHNSTON, MRS. C. C.
Box 1914, Dallas

JONES, MR. FRED B.
Rt. 1, Box 94, Taft

JONES, MRS. JESSE
503 Mayborn Dr., Temple

*JORDAN, MRS. W. R. (Sustaining)
(Jordan's Iris Gardens)
3225 Hardeman St., Fort Worth 5
(April 15-30)

JOWELL, MRS. C. C.
Box 36, Cleburne

KEESEEE, MRS. H. M.
714 Texas St., Graham

KELL, MISS WILLIE MAY
900 Bluff St., Wichita Falls

* Indicates Garden Open

KELLY, MR. & MRS. R. L.
 1122 Hopson St., Sherman
 KELTNER, MRS. C. R.
 713 Van Buren, McGregor
 KEMPNER, MRS. I. H., JR.
 3719 Del Monte Dr., Houston 19
 KENDALL, MRS. J. A.
 711 Forest St., Amarillo
 KIDD, MRS. TOMMIE LEE
 Box 950, Brady
 KILGORE GARDEN CLUB
 % Mrs. L. N. Crim, Horticulture Chr.
 Kilgore
 KILPATRICK, MRS. HAROLD C.
 1255 San Francisco St., San Antonio 1
 KIMBROUGH, MRS. THELMA C.
 1809½ Ardath, Wichita Falls
 KENCHELAC, MRS. WELDON
 Rt. 3, Vernon
 KING, MRS. HARRY TOM
 1941 N. 3rd, Abilene
 KIRBY, MRS. KAY
 3420 Binz, Houston 4
 KIRK, MRS. M. F.
 3805 Stratford Ave., Dallas 5
 KNOX, MRS. D. M.
 830 Plum St., Graham
 KOLSTAD, MRS. H. C.
 1003 E. California, El Paso
 THE LAKEVIEW GARDEN CLUB
 % Mrs. Clyde Burroughs, Pres.
 5036 Ninth St., Port Arthur
 LANDRUM, MRS. M. M.
 Lampasas
 LEE, MRS. J. A. (Sustaining)
 Box 726, Electa
 LEE, MRS. JACK B.
 101 Leming Dr., San Antonio
 LEONARD, MRS. JOE M., SR.
 322 N. Denton St., Gainesville
 LESLIE, MRS. S. F.
 1404 N. Cedar St., Bonham
 LINDLEY, MRS. J. C.
 707 Gilmer St., Sulphur Springs
 LOWRY, MRS. T. H.
 807½ Red River St., Austin
 McFARLAND, MRS. B. H.
 2616 Pine Ave., Waco
 McGEE, MRS. R. K.
 910 Lamar, San Antonio
 McKNIGHT, MRS. ALFRED, SR.
 2212 Pembroke Dr., Fort Worth 4
 McMORDIE, MRS. F. V.
 2210 Glencoe, Dallas 6
 MACKEY, MR. A. E.
 Box 3844, T.S.C.W., Denton
 MACKEY, MRS. GORDON
 719 N. 9th St., Temple
 MADDOX, MRS. Humphrey
 Box 456, Nocona
 MAGEE, MRS. EARL
 Chillicothe
 MALONE, MRS. DESSIE D. (Sustaining)
 703 N. Oak Cliff Blvd., Dallas 11
 MCOY, MRS. H. D.
 Box 174, Cleburne
 MEADOR, MRS. J. E.
 1231 Walker St., Denison
 *MERRILL, MRS. L. R.
 Rt. 3, Box 43 A, Mesquite
 MILLER, MRS. ARTHUR C.
 318 N. Barnett, Dallas 11
 MILLER, MR. ELMER L.
 904 Sunset, Amarillo
 MILLIGAN, MRS. RUBEN
 601 W. Ennis Ave., Ennis
 MITCHELL, MRS. EARL
 602 N. 26th St., Corsicana
 MONTGOMERY, MR. BALDWIN
 621 10th St., Wichita Falls
 MOON, MRS. J. P.
 8366 San Fernando, Dallas 18
 MOORE, MRS. GEORGE
 1218 S. 9th St., Temple
 MORELAND, MRS. L. G.
 3601 Travis St., Fort Worth 10
 MORRIS, MRS. C. A.
 1800 Grant, Wichita Falls
 MOTLEY, MISS MABEL
 Texas Hotel, Paris
 MYERS, MR. MARION M.
 7028 Westlake Dr., Dallas 14
 NALLEY, MRS. J. R.
 2009 Seneca St., Waco
 NEAL, MRS. EARL T.
 1520 N. 15th St., Temple
 NEELY, MRS. INA P.
 1219 W. 11th Amarillo
 NELSON, MRS. LILA
 Belton
 NEWTON, MRS. W. S.
 1117 N. 2nd St., Temple
 NICHOLS, MRS. H. A.
 Box 697, Stratford
 NORTON, MR. M. W., JR.
 4215 Rosa Dr., Dallas 9
 OHEIM, MR. FREDERIC
 244 E. Coll St., New Braunfels
 OLIVER, MRS. M.
 Box 86, Tyler
 OLIVER, MISS SADIE LEE
 Rt. 2, Box 191, Belton
 OSBURN, MRS. CLAUDE
 Box 677, Abilene
 PADGITT, MRS. EDGAR
 4207 Belclaire, Dallas 5
 PARKS, MRS. ASBURY SLOAN
 2905 Amherst, Houston 5
 PATTISON, MRS. NEDRA M.
 1944 Temple Dr., Houston 6
 PENN, MR. JOHN W.
 202 W. Hopkins St., San Marcos
 PERKINS, MRS. H. W.
 Petrolia
 PERRY, MRS. E. JOE
 P. O. Box 6062, Houston 6
 PETERS, MRS. EULA
 506 W. 5th, Clifton
 PHARES, MRS. L. G. (Sustaining)
 1806 Linscomb, Austin
 PHILLIPS, DR. CHARLES S.
 1306 N. Third St., Temple
 PHILLIPS, MR. JACK
 4032 Glenwick Ln., Dallas
 PONSFORD, MRS. H. J.
 921 Robinson Blvd., El Paso
 PUFFER, MR. W. J.
 Miles 12 & 4, Weslaco
 RAINWATER, MR. PAUL (Sustaining)
 4431 Dickason Ave., Dallas 4
 RAY IRIS GARDENS
 2271 Lipscomb St., Fort Worth
 RAY, MRS. JOHN B.
 1042 Elmwood Dr., Abilene
 RAY, MR. S. W.
 2271 Lipscomb St., Fort Worth
 RAY, MRS. S. W. (Sustaining)
 2271 Lipscomb St., Fort Worth 4
 REEVES, MRS. MART W.
 8530 Jordan Way, Dallas 5
 REID, MRS. C. H.
 1811 Huff St., Wichita Falls
 RICHARDSON, MRS. A. O.
 Rt. 2, Box 70, Lytle Lake, Abilene
 *ROACH, MISS MARIANA
 5722 Farquhar Ln., Dallas 9
 ROGERS, MRS. C. Q.
 1823 Main St., Vernon
 ROGERS, MRS. CLAUD
 Frisco
 *ROGERS, MR. GUY (Sustaining)
 First Nat'l. Bank Bldg., Wichita
 Falls
 *ROGERS, MRS. GUY (Sustaining)
 1806 Grant St., Wichita Falls
 ROGERS, MRS. GUY, JR.
 1123 S. Lake St., Fort Worth

ROGERS, MRS. LUCIEN T.
 Box 529, Henderson
 *ROSE, MR. F. O. (Life)
 3629 Fountain, Amarillo (May 10)
 ROSE, MR. O. C.
 704 Virginia, Amarillo
 ROSE, MRS. W. K. (Sustaining)
 2340 Lipscomb St., Fort Worth 4
 ROWSER, MRS. EDWIN M.
 2100 Daisy Ln., Fort Worth 11
 RUPLEY, MRS. RALPH
 Pine Lake Farm, Rt. 4, Box 478,
 Houston
 RUTHERFORD, MRS. R. R.
 716 E. Marvin Ave., Waxahachie
 RUTLEDGE, MRS. P. J.
 1701 Stamford Ln., Austin
 SALMON, MRS. WILLIAM A.
 905 Morrison St., Marshall
 SANDERS, MR. JOHN H. B.
 3420 Lovers Ln., Dallas 5
 SCOGIN, MR. JOHN T.
 Rt. 7, Box 316, Dallas 6
 SCRUGGS, MRS. GROSS R.
 3715 Turtle Creek Blvd., Dallas 4
 SHEPHERD, MRS. H. C.
 640 Pleasant Grove Dr., Dallas 10
 SHERIDAN, MRS. M. J.
 1004 Merritt St., Fort Worth 7
 SHINNERS, DR. LLOYD H.
 Southern Methodist Univ., Dallas 5
 SIDES, MRS. LEOLA COX,
 General Delivery, Mineral Wells
 SIMMONDS, MRS. TOM
 916 N. 10th, Temple
 SIMMONS, MRS. G. F.
 524 Church St., Paris
 SIMONTON, MRS. H. L.
 Box 229, Sweetwater
 SIMS, MRS. JACK
 Chillicothe
 SLAUTER, MRS. C. R.
 2400 Barnard Ave., Waco
 SLAUTER, MRS. C. R., JR.
 3001 N. 33rd St., Waco
 SLAUGHTER, MRS. J. WILLIS
 4 West 11th Pl., Houston 5
 *SMITH, MR. & MRS. JAMES G.
 516 Strong St., Bowie
 SMITH, MRS. JOEL K.
 Box 352, Palestine
 SMITH, MRS. JOHN W.
 1101 N. 9th St., Temple
 SMITH, MRS. S. C.
 3333 S. Jennings, Fort Worth 4
 SMYER, MRS. W. M.
 (Panhandle Dahlia Garden)
 1013 W. Tenth, Amarillo
 SNOWDEN, MRS. MARY F.
 2748 Timberline Dr., Fort Worth 5
 SPANGLER, MR. CHARLES
 Marshall Nat'l. Bank Bldg.,
 Marshall
 SPENCE, MRS. H. M. (Sustaining)
 902 N. Dixon St., Gainesville
 STEFFENS, MR. ROBERT A.
 2300 Hemphill, Fort Worth 4
 STELLMACHER, MRS. HERBERT
 730 Nesbitt St., Dallas 14
 STEPHENSON, MRS. W. A.
 Rt. 3, Box 292, Fort Worth
 STEVENS, MRS. MARY (Sustaining)
 824 Gambrell St., Fort Worth
 STEWART, MRS. W. O.
 Kilgore
 STINSON, MRS. H. P.
 315 W. Agarita Ave., San Antonio 1
 STOORZA, MRS. J. R., JR.
 1208 Oakview, Fort Worth
 SUHLER, MRS. SIDNEY
 2207 Commonwealth, Houston
 SULLIVAN, MRS. BESS BEVERLIN
 4311 Bordeaux Ave., Dallas
 SWAIN, MRS. HOWARD L.
 Sour Lake
 *SWINDELL, MRS. DON M.
 Rt. 2, Box 320, Irving (April 25)
 SYLVANIA GARDEN CLUB
 % Mrs. E. J. Deason, Pres.
 2517 Honeysuckle, Fort Worth
 TALLMAN, MRS. A. M.
 3312 Childress St., Fort Worth 5
 TASKER, MRS. FAITH
 1910 Welch Ave., Houston
 TEMPLE IRIS SOCIETY
 % Mr. Wilton Collier, Pres.
 1018 S. 31st St., Temple
 THERRELL'S GARDENS
 2505 Hemphill St., Fort Worth 4
 THOMPSON, MR. M. E.
 3320 Douglas St., Dallas
 THOMPSON, MRS. W. RAY
 1813 Speedway, Wichita Falls
 THRASHER, MRS. R. V.
 Rt. 2, Box 314, Paris
 TOWNSEND, MRS. G. B.
 401 Ave. H., S. E., Childress
 VANCE, MRS. L. E.
 2516 Fairway, Fort Worth 5
 THE VILLAGE IRIS GARDEN CLUB
 % Mrs. J. E. Shelton, Pres.
 226 Adams, Corpus Christi
 WAGGONER, MRS. PAUL E.
 Santa Rosa Ranch, Vernon
 WALLACE, MRS. W. E.
 408 N. 7th St., Temple
 WALVOORD, MRS. ANTHONY W. (Sustaining)
 343 Phillips St., Richardson
 WARD, MISS NELLIE BELLE
 Italy
 WARE, MRS. VINA
 Bartlett
 WEAR, MRS. MARY
 4737 E. Lancaster, Fort Worth 3
 WHATLEY, MRS. OLLIE F., JR.
 2712 Easter Ave., Dallas 16
 WHITE, MR. HARRY T.
 703 Delmar St., San Antonio 3
 WHITE, MRS. NORA
 2208 Barnard, Waco
 WHITE, MR. ROY E. (Sustaining)
 2632 White Settlement Rd., Rt. 2,
 Box 71 B, Fort Worth
 WHITEHURST, MR. O. S.
 501 S. Main, Quanah
 WILEY, MRS. IRENE (Sustaining)
 1010 11th Pl., Big Spring
 WILKES, MRS. W. C. (Sustaining)
 3220 Manor Rd., Austin
 WILKES, MRS. W. J.
 Box 65, Rt. 1, Burleson
 WILLIAMS, MRS. RUBY
 Chillicothe
 *WOLFE, MR. W. G.
 Box 103, Frisco (April 15-25)
 WOOLDRIDGE, MISS VELMA
 1850 N. 6th St., Abilene
 WRIGHT, MRS. LUTHER
 1714 10th St., Wichita Falls
 ZIHLMAN, MRS. IRIS
 420 Indiana Ave., Wichita Falls

UTAH

ALBRIGHT, MRS. MARGARET G.
 2101 E. 45th S., Salt Lake City
 ARNOTT, MRS. MARGARET
 1652 Estminster Ave., Salt Lake City
 BAIRD, MRS. O. R.
 980 N. 2nd E., Provo
 BECK, MRS. VERDA R.
 180 E. 4th N., Nephi
 BOLTON, MRS. LLOYD
 3274 W. 3100 S., Salt Lake City 4
 BOND, MR. LAWRENCE C.
 RFD, Roy

* Indicates Garden Open

CARLSTON, MRS. RALPH
3642 S. 13th E., Salt Lake City
CROSBY, MRS. LUZON
Rt. 2, Box 623, Orem
DERU, MRS. LOUIS
683 41st St., Ogden
FITZGERALD, MRS. A. J. (Sustaining)
Box 203, Rt. 1, Magna
THE FORGIE GARDENS
Rt. 2, Box 141, Sandy
FOULGER, MR. W. (Sustaining)
171 S. 3rd E., American Fork
FRAZEE, MRS. HOWARD N.
1525 E. 39th S., Salt Lake City 7
FREW, MRS. CECIL
Hooper
GORHAM, MR. ROY B.
4151 S. 9th E. St., Salt Lake City 7
HAGAN, MRS. JOHN W. (Sustaining)
Spanish Fork
*HAMBLIN, MRS. JAMES R. (Sustaining)
Roy (May 21)
HARRIS, MRS. FISHER
1422 Military Way, Salt Lake City
HOLDAWAY, MR. MILTON L.
RFD 1, Box 417, Provo
HOLT, MRS. LeROY
RFD 1, Riverton
KIRK, MR. WARREN P.
Pleasant Grove
LARSEN, MR. CARL A.
2561 Elm Ave., Salt Lake City 6
LEHMAN, MRS. AUGUST, JR.
3870 S. 2200 W., Salt Lake City 7
MADSEN, MR. WILLIS
415 N. 9th E., Provo
MUHLESTEIN, MR. TELL (Sustaining)
691 E. Eighth N., Provo
NAYLOR, MR. M. D.
1484 Yale Ave., Salt Lake City
*NEBEKER, MR. DON P.
296 E. 45th S., Murray
NELSON, MRS. FREDERICK C.
3540 S. 1300 East St., Salt Lake
City
NELSON, MRS. ORSON
195 W. 5th S., Price
PARK, MR. O. WAYNE
221 E. 39th S., Murray
PARSONS, MISS MARGARET H.
1220 Yale Ave., Salt Lake City 5
PAUL, MR. C. J.
3017 S. 7th E., Salt Lake City
PETERSON, MR. LES
1320 Murphy Ln., Salt Lake City
REYNOLDS, MR. C. MEREDITH
Box 864 A, Woods Cross
SANDERS, MR. C. C.
800 Washington Blvd., Ogden
SCHOLLES, MR. J. FRED
Rt. 3, North Ogden
SEAY, MRS. P. W.
Magna
SNOW, MRS. IRMA P.
Ferron
SOLOMON, MR. RAYMOND C.
1789 Hubbard Ave., Salt Lake City 5
STEWART, MR. JAMES O.
295 N. First W., Logan
THORUP, MR. HERMAN F.
1195 E. Crystal Ave., Salt Lake City
6
TIPTON, MRS. J. Y.
410 11th Ave., Salt Lake City
TOLMAN, MR. BION
1645 Wasatch Circle, Salt Lake City
UTAH IRIS SOCIETY
% Mrs. Hazel T. Chase, Treas.
204 City & County Bldg., Salt Lake
City 1
WALKER, MRS. J. H.
231 S. 4th E., Provo
WALLACE, MR. M. D.
Rt. 2, Box 203, Orem

WALTON, MR. J. E.
279 W. 33rd S., Salt Lake City 6
WALTON, MR. LESTER G.
(Porter Walton Co.)
522-534 S. 3rd W., Salt Lake City 4

VERMONT

*BEAR, MR. CHARLES U.
Caspian Lake, Greensboro (June)
GODDARD, MRS. T. N.
Tedmarleigh, Old Bennington
*GOSS, MR. JOHN W. (Sustaining)
77 Ledge Rd., Burlington (June 15)
HAZEN, MISS ANNIE D.
Box 493, White River Junction
HOLDEN, MISS LAURA B.
Proctor
JOHNSON, MR. RICHARD V. (Sustaining)
Cuttingsville
MARSH, MISS MIRIAM E.
40 Park St., Springfield
ROBINSON, MR. A. W.
Room 1, Central Hotel, Barre

VIRGINIA

ALLEN, MRS. JAMES C.
4118 S. 36th St., Apt. B-2,
Fairlington Apts., Arlington
AYCOCK, MRS. HARRY T.
230 Forrest Ave., Norfolk 8
BLANDY EXPERIMENTAL FARM
% Dr. Orland E. White, Director
Boyce, Clark County
BRANCH, MRS. CHRISTINE C.
105 Maple Ave., Newport News
BROWN, MRS. F. ALLEN
Western Hills, Rt. 4, Box 167,
Roanoke
BRUNTON, MR. FRANK (Sustaining)
901 Herbert St., Richmond 24
BRYANT, MRS. R. L.
Edgewood, Roseland
BUMPAS, MRS. H. S.
300 S. Center St., Ashland
CARPENTER, MRS. S. A.
The Elms, Orange
CARTER, MRS. UNA FRANKLIN
210 Duke St., Alexandria
CATON, MR. H. E.
Box 109, Springfield
COON, MRS. H. C.
640 Murray Ave., S. E., Roanoke
CROSBY, MRS. ALBERT V.
7909 N. Shore Rd., Norfolk 8
CULPEPPER, MR. C. W.
4435 N. Pershing Dr., Arlington
DANIEL, MRS. FRANK
Box 148, Mayhurst Farm, Orange
DARNELL, MR. J. M. (Sustaining)
505 Locust Ave., Waynesboro
DAVIS, MRS. MASLIN (Sustaining)
606 12th St., S. W., Roanoke 16
DUNTON, MRS. ALEX G.
Birds Nest
EARHEART, MISS SADIE B.
Box 273, Christianburg
FISHBURN, MR. J. P. (Life)
P. O. Box 2531, Roanoke
FISHBURN, MRS. JUNIUS BLAIR
714 13th St., S. W., Roanoke
FISHBURN, MRS. KATHERINE NELSON
(Sustaining)
Box 2531, Roanoke
FISHER, MRS. JOHN R. (Sustaining)
Scrivener House, Williamsburg
GILLIAM, MR. FRANK J. (Sustaining)
Belfield, Liberty Hall Rd., Lexington
HARPER, MRS. R. A.
Rt. 5, Bedford
HERBERT, MRS. C. A.
2132 Laburnum Ave., Raleigh Ct.,
Roanoke

HIGGS, MRS. DOROTHY M.
Hideaway Rd., Fairfax

HOWELL, MR. E. C.
605 Washington Ave., Vinton

HUDSON, MRS. CHARLES
Meadowbrook Point, Norfolk 8

JAMISON, MR. J. E.
626 Elm Ave., S. W., Roanoke

KASDORF, MRS. F. W.
Naval Proving Ground, Dahlgren

KEITH, MRS. JULIAN C.
Warrenton

KILHAM, MRS. AUSTIN D.
Box 1336, University Station,
Charlottesville

KING, MR. EDWARD G.
309 N. Irving St., Arlington

KINNIER, MISS JOSEPHINE P. (Sustaining)
518 Washington St., Lynchburg

LEVINE, MRS. JULIUS
212 Madison Ave., Vinton

*McDONALD, MR. LOUIS (Sustaining)
516 Victoria Ave., Lynchburg

MANN, MR. JAMES, JR.
N. Shore Point, Norfolk 8

*MASON, MR. ARTHUR S.
3935 6th St., S., Arlington
(May 5-28)

MYERS, MR. DENNIS C.
853 Marvin Ave., Norfolk 3

ODOM, MR. EDWARD E.
3131 N. Vermont St., Arlington

OVERBY, MRS. WILLIAM D.
782 Main St., Danville

OVERSTREET, MRS. DORSEY S. (Sustaining)
213 Meadow St., Vinton

PALMER, DR. J. W.
210 Irving St., N., Arlington

PRESTON, MRS. JULIAN T.
1815 Greenwood Rd., Raleigh Ct.,
Roanoke 15

RICE, MRS. G. B. (Sustaining)
5232 Edgewater Dr., Norfolk 8

ROBERTS, MRS. CHARLES F.
226 Forrest Ave., Norfolk 8

ROSSON, MRS. H. B.
Brandy

ROUGH, MR. W. E. (Sustaining)
118 Nelson Dr., Hilton Branch,
Newport News

SCOTT, MRS. M. duPONT (Sustaining)
Montpelier Station

SIMPSON, MR. H. P.
2325 N. Glebe Rd., Livingstone
Heights, Arlington

SMITH, MR. ERNEST H.
4115 Beach Ave., Riverview, Norfolk

STEEDMAN, MRS. LUCILE R.
2512 Oregon Ave., Roanoke 15

STEVENS, MR. W. H.
2919 Boulevard, Hampton

TUGGLE, MR. HARRY I.
316 Brown St., Martinsville

WHITING, MRS. R. M.
Rt. 3, Box 173 E., Alexandria

WILLIAMS, MR. BERKELEY, JR. (Sustaining)
Rt. 2, Three Chopt Rd., Richmond 21

WORCESTER, MR. F. L.
20 Malvern Ave., Apt. 2, Richmond

YOST, MR. ROBERT C.
1629 N. Harrison St., Arlington

AUSTIN, MR. ARTHUR L.
206 S. 150th St., Seattle 88

AYLEN, MRS. W. C.
10447 19th Ave., S., Seattle

BAKER, MR. CHARLES F.
Rt. 1, Box 132, Clarkston

*BAILEY, MR. ARTHUR
424 Lewis St., Monroe

BARNETT, MR. FLOYD E. (Sustaining)
1445 Cloverdale St., Seattle 8

BENNETT, MRS. CHRIS
Box 303, Hay

*BLACKBURN, MISS DOROTHY ZOE
5902 Commercial M 26, Everett
(May 15-June 10)

BOEN, MR. DONALD J.
N. 6607 Crestline, Spokane 14

BOYD, MRS. J. B.
11443 First Ave. S., Seattle

BRISKEY, MRS. M. B.
Naches

*BROWN, MRS. REX P.
Rt. 1, Box 1160, Alderwood Manor

BURGESS, MRS. JAMES F.
Rt. 2, Box 135, Monroe

BURNILL, MRS. BERTA
Irisroyd, 3416 22nd Ave., W.,
Seattle 99

BURNS, MRS. J. H.
E. 915 Queen, Spokane 13

*BUSHELL, REV. GEORGE W.
835 N. E. 2nd Ave., Camas (May 15-30)

CANFIELD, MR. R. E.
Rt. 3, Box 526, Bremerton

CAVIN, MRS. J. G.
Star Route, Wapato

*CHANDLER, MRS. LAURA
516 S. Division St., Walla Walla

CHAPMAN, MRS. W. W.
2112 N. Monroe St., Tacoma 7

CLARKSTON CITY LIBRARY
Clarkston

*CLIPPINGER, MR. DON M.
1812 S. 104th St., Seattle 88

COLEMAN, MRS. G. F.
7838 S. Yakima St., Tacoma

COLLIER, MR. H. L.
101-102 Co-City Bldg., Seattle 4

COLLINS, MRS. JOSEPH P.
2449 43rd Ave., W., Seattle 99

*CONNELLY, MR. EDWARD
1012 2nd Ave., N. W., Puyallup

CONNER, MR. & MRS. E. L.
805 W. Washington, Yakima

COON, MR. ALFRED J.
4716 S. Warner St., South Tacoma 9

CORNWELL, MRS. H. G.
1416 S. 9th Ave., Kelso

CRANDALL, MR. FRED R.
6402 33rd Ave., S., Seattle 8

CUMMINGS, MISS KATHRYN
6027 S. Laurence, Tacoma 9

DAHL, MR. A. L.
325 Yesler Way

DALING, MR. MERLE
Waterville

DAVISON, MRS. NELLIE M.
1202 Sunset Dr., Tacoma 6

DELMOR, MRS. ANNA E.
2015 Willow St., Yakima

DENNISTON, MR. ALVIN L.
Rt. 5, Box 200, Port Orchard

DeROOY, MR. ANTHONY
RFD 1, Box 33, Oak Harbor

DIGHTMAN, MRS. ROSE
3219 N. 33rd St., Tacoma 7

*DIMOFF, MRS. GLORIA T.
4415 W. Andover St., Seattle 6
(June 1)

DOGGETT, MR. BILL
Box 808, Cashmere

DOHNERT, MRS. AMBER J.
1203 Ruth, Walla Walla

WASHINGTON

* Indicates Garden Open

EASTMAN, MR. DON A.
4926 Willow St., Seattle 8

EDWARDS, MRS. H. B.
8407 Linden Ave., Seattle 3

EYLAR, MRS. F. B.
Rt. 2, Box 610, Renton

FULMER, MR. W. L.
505 Boylston N., Seattle 2

*GOSNEY, MRS. A. W.
RFD 4, Newport (June 7-14)

GOULD, MRS. FRED
12253 9th N. W., Seattle 77

HAASE, MRS. ALBERT P.
Rt. 3, Vine St., Walla Walla

HANSTAD, MR. ROBERT
Box 528, Conway

HARRIS, MRS. BEN LEE
3013 22nd Ave., W., Seattle 99

HARRIS, MR. CHARLES H.
2702 Walnut Ave., Seattle 6

HOBART, MRS. C. T.
N. 918 Greenacres Rd., Greenacres

HOLMS, MRS. E. A. (Sustaining)
Rt. 5, Box 792, Tacoma

HOPE, MRS. JOHN
1509 Belmont Ave., Yakima

HUBBARD, MRS. W. R.
Rt. 1, Box 152, Rochester

HUDDLE, MRS. FRED B.
717 Rucker Ave., Everett

HUFF, MRS. RAYMOND J.
1919 S. W. 170th St., Seattle 66

INNES, MR. ROBERT
1123 Fairview, Yakima

IRIS GARDEN CLUB OF WALLA WALLA
(Sustaining)
% Mrs. P. S. Aldrich
Dixie

JOHNSON, MR. P. R.
Box 801, Rt. 2, Bremerton

JUDY, DR. HARRIET E.
503 W. Summer, Spokane

KEAL, MRS. ROBERT C.
4565 Purdue Ave., Seattle 5

KEEN, MRS. W. H.
242 W. Cherry, Walla Walla

*KEITH, MRS. A. D.
273 Hall Ave., Washougal

KINGSHOT, MRS. W. H.
Rt. 12, Box 226, Tacoma

LAKESIDE IRIS GARDENS
(Mrs. M. V. Torgerson)
13714 Corliss Ave., Seattle 33

LAMB NURSERIES
E-101 Sharp Ave., Spokane

LATHRUM, MRS. S. M.
Oakesdale

LEVIN, MRS. J. E.
Rt. 3, Walla Walla

*LINSE, MR. JACK G.
(Easy Breeze Gardens)
Rt. 3, Box 201, Yakima
(Garden: N. 16th Ave., Yakima)

LLOYD, MRS. J. D.
203 18th St., N. W., Puyallup

LOSEY, MRS. L. B.
(Iris City Gardens)
Rt. 2, Box 307, Walla Walla
(April 25-June 5)

McANALLY, MRS. HOYT (Sustaining)
Rt. 6, Box 95, Yakima

McARTHUR, DR. CHARLES E.
504 Security Bldg., Olympia

*McDOUALL, MR. & MRS. KENNETH
Rt. 1, Walla Walla
(Telephone: 7-636 R 3)

MacMILLAN, MRS. NEIL
Rt. 4, Bellevue

MAHOOD, MRS. M. N.
1125 01st N. W., Seattle 77

MAJEWSKI, MR. F. A.
503 W. Washington, Yakima

MARBLE, MR. JOHN H. (Sustaining)
(Marble's Iris Gardens)
Grandview

MARTIN, MRS. JACK
142 S. 152nd St., Seattle 88

MAXWELL, MR. ALEXANDER
(Iris Test Gardens)
Rt. 1, Terrace Hgts., Yakima

MELBY, MRS. H.
2211 Englewood Ave., Yakima

MENARD, MR. BILL
Star Route, Castle Rock

MORRISON, MR. ELDON J.
Roslyn

MUNROE, MR. E. F.
% B. F. Dickinson
Box 311, Monroe

*MURRAY, MR. A. P. (Sustaining)
1140 N. 12th Ave., Walla Walla

MURRAY, MRS. T. E.
Rt. 1, Box 25, Friday Harbor

NEIDEFFER, MRS. C. F.
1011 N. J St., Tacoma 3

NIELSEN, MRS. CARL L.
4107 E. 77th St., Seattle 5

*NELSON, MRS. ERNA BERT
234 W. 22nd Ave., Spokane 9

NELSON, MRS. N.
6th & Highland, Clarkston

NEW, MRS. OTTO
419 E. Alder, Walla Walla

*NICHOLS, MR. MILES C. (Sustaining)
1122 Colby Ave., Everett

NORTON, MRS. WILLIAM L. (Sustaining)
(Norton's Shangri-La Gardens)
Rt. 3, Box 168, Kent

NOYD, MRS. WALTER E.
Rt. 4, Fifth St., Wenatchee

OLSON, MRS. O. A.
Rt. 1, Box 305, Mercer Island

PADAVICH, MRS. BIRDIE
North Bend

PANTON, MRS. GEORGE A.
9027 Phinney Ave., Seattle 3

PARMENTER, MRS. I.
736 N. 90th St., Seattle 3

PATTISON, MRS. TOM
1217 Poplar St., Clarkston

*PLOUGH, MR. GORDON W. (Sustaining)
12 S. Delaware Ave., Wenatchee
(Garden: Eden Rd., East Wenatchee,
open by appointment)

POLKINGHORN, MRS. L. M.
(Buena Vista Iris Gardens)
7510 S. 19th St., Tacoma 6

PULLAR, MRS. LAURA MAUDLIN
Rt. 2, Box 967, Maryville

RAFIN, MISS M. L.
1013 N. J St., Tacoma 3

REITER, MR. WALTER B.
E. 840 28th Ave., Spokane

ROAN, MR. WILLIAM
Thorp

ROTH, MRS. J. R.
1230 Northwest Rd., Bellingham

SAMUELSON, MR. A. A.
RFD 2, Pullman

SCHMELZER'S GARDEN (Sustaining)
601 S. Division St., Walla Walla

SCHUETT, MRS. H. W.
1822 E. Prospect, Seattle 2

SCOVELL, MRS. HEDI BROSEIT
Box 141, Bellevue

SCRIBNER, MRS. DEENA
1164 Olympic Nat'l. Bldg., Seattle 4

SEATTLE IRIS SOCIETY
% Mrs. H. L. Stinson
3723 S. 154th, Seattle

SEATTLE PUBLIC LIBRARY
Periodical Dept., 4th & Madison St.,
Seattle 4

SIMONSON, MRS. H. A.
Rt. 2, Port Angeles

SIMPSON, MR. WILL
Rt. 1, Box 70, Selah

SMITH, MRS. JAKE L.
Rt. 3, Waitsburg

SPINNING, MRS. L. B. (Sustaining)
 Rt. 4, Chehalis
 SWIFT, MRS. PAUL K.
 8324 Fauntleroy Ave., Seattle 6
 TABER, MRS. LEO
 P. O. Box 82, Sumner
 TATTON, MRS. J. W.
 Kewa
 THOMPSON, MRS. FRANCES L.
 (The Summit Gardens)
 13251 Ambaum Blvd., Seattle 66
 TOLLEFSON, MRS. PETER
 Monroe
 TUCKER, MR. J. H.
 1814 Colby, Everett
 VAN SANT, MISS CLARA
 1323 N. 6th St., Tacoma 6
 WARNER, MR. L. W.
 Grandview
 WESTERN WASHINGTON EXPERIMENT STATION
 % J. W. Kalkus, Supt.
 Puyallup
 WEYEN, MR. H. N.
 RFD 1, Espanola
 WHITAKER, MR. W. K.
 726 S. State, Kent
 WHITCOMB, MR. R. R.
 2914 W. Maplewood, Bellingham
 WHITNEY, MRS. CHARLES O.
 341 E. Alder St., Walla Walla
 WHITNEY, MRS. VERNON
 20 S. Bellevue, Walla Walla
 WILSON, MR. DOUGLAS
 Box 707, Thorp
 WITT, MRS. JEAN G.
 Rt. 3, Box 3515, Edmonds
 WOOD, MR. JOE P.
 Box 1088, Yakima
 ZYZANSKI, MR. THEODORE
 11554 26 Ave., N. E., Seattle 55

WEST VIRGINIA

BARBEE, MRS. H. A.
 Point Pleasant
 BULLINGTON, MRS. E. F.
 432 Norway Ave., Huntington
 CAMPBELL, MR. HAROLD
 Box 442, Cove Station, Weirton
 CROCKETT, MRS. JOSEPH M.
 165 Maple Ave., Welch
 HANLIN, MR. THOMAS G.
 122 8th Altizer Add., Huntington
 HOLLIDAY, MRS. C. B.
 907 Laurel Rd., Charleston
 McDANIEL, MISS MADGE
 Box 212, Anmoore
 ROGERS, DR. FORD B.
 1208 Locust Ave., Fairmont
 SCHLEY, MRS. H. P.
 Shepherdstown
 SNYDER, MR. & MRS. H. L.
 504 Linden Rd., South Hills,
 Charleston
 STELLER, MR. A. W. (Sustaining)
 Box 749, Welch
 STELLER, MRS. A. W.
 Box 749, Welch
 SUTER, MRS. O. G.
 Box 726, Welch
 SWOPE, MRS. PAUL
 Baker Veterans Administration,
 Martinsburg
 WALLACE, MISS MILDRED JANE
 4307 Venable Ave., S. E.,
 Charleston
 WATKINS, MRS. J. W.
 114 Allison Ave., Beckley
 WINGFIELD, MRS. S. L.
 2915 Beverly Rd., Huntington 1

WISCONSIN

ADAMS, MR. C. D.
 1507 Alice St., Wauwatosa 13
 ADAMS, MRS. H. W.
 836 Church St., Beloit
 BABCOCK, MRS. CARROLL E. (Sustaining)
 320 W. Main St., Evansville
 BARNARD, MRS. ED.
 % Barnard Corp., City Center Bldg.,
 Green Bay
 BAUMAN, MR. CHARLES
 510 Perkins Blvd., Burlington
 BAUMGARTNER, MRS. ROBERT
 3742 W. Dorothy Pl., Milwaukee
 BAUTZ, MR. MARSHALL
 722 N. Broadway, Milwaukee 2
 BISBEE, MRS. O. D.
 225 River St., Portage
 *BLODGETT, MR. A. G.
 1008 E. Broadway, Waukesha
 BROWN, MR. JAY L.
 City Hall, Wausau
 BRUCKNER, MRS. W. L.
 3610 Spring Trail, Madison
 *CLASON, MISS EDNA M.
 Rt. 2, Beaver Dam
 *DUQUAINE, MRS. LEONE V.
 (Two Willow Iris Gardens)
 1425 Ridge St., Niagara (June 1-15)
 EGELBERG, MR. LEO J.
 142 S. 6th St., La Crosse
 FLANDERS, MRS. GEORGE E.
 806 W. Wisconsin St., Portage
 FRASER, MRS. HORACE C.
 Star Route % Echo Woods, Burlington
 GRIESBACK, MR. ROBERT
 608 1st St., Menasha
 HARTNELL, MRS. ARTHUR G.
 Lilac Lodge, Salem
 HENSCHEL, MR. ERNEST W.
 2839 N. 26th St., Milwaukee 6
 HERRMANN, MRS. GEORGE A.
 2413 N. Oakland Ave., Milwaukee 11
 HOLLY, MRS. ROBERT L.
 902 S. Main St., Waupaca
 HOWELL, MR. GEORGE P.
 Rt. 2, Eschreich Park, Thiensville
 KANE, MRS. JOHN J.
 1718 Martha Washington Dr.,
 Wauwatosa 13
 KRIZ, DR. GEORGE ALAN
 Elm Grove, Box 441
 MAGNAN, DR. HAROLD E.
 410 Main St., Watertown
 MILWAUKEE COUNTY PARK COMMISSION
 % J. E. Voight, Whitnall,
 Hales Corners, Milwaukee
 MORRIS, MR. GEORGE C.
 1805 University Ave., Madison 5
 NEHLS, MR. WALTER C.
 1116 Grand Ave., Janesville
 OLSEN, MRS. ALICE E.
 241 W. Jefferson St., Elkhorn
 OSCAR, MRS. S. A. (Sustaining)
 Kennedy Manor, 1 Langdon St.,
 Madison
 POST, MR. SAMUEL
 2930 University Ave., Madison 5
 RABOIN, MRS. MARIE (Sustaining)
 1401 Ridge St., Niagara
 *REINHARDT, MRS. ROBERT M.
 RD 4, Box 656, Waukesha (June 1-7)
 (Garden: Hwy. 15 at Sunny Slope Rd.)
 ROECKER, MRS. W. F. (Sustaining)
 3319 N. 14th St., Milwaukee 6
 *ROETS, MRS. LEO J.
 Rt. 1, Oconomowoc
 SCHROEDER, MR. OSCAR W.
 2406 W. Lisbon Ave., Milwaukee 5
 SCHWENDENER, DR. CARL M.
 231 W. Wisconsin Ave., Milwaukee 3

SIEKER, MR. WILLIAM E.
119 Monona Ave., Madison 3
SNYDER, MR. M. F.
2614 E. Newton Ave., Shorewood 11
STUMP, REV. WILLIAM C.
1915A W. Wisconsin Ave., Milwaukee 3
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3614 Spring Trail, Madison 5
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121 E. Burns, Portage
WETZEL, MRS. JULIUS
3900 N. Port Washington Ave.,
Milwaukee 12
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128 Brady St., Portage
WIPPERMAN, MRS. KENNETH
103 Haertel St., Portage
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1040 S. Thurmond, Sheridan
SABAN, MRS. VESTA (Sustaining)
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Cross U Bar Ranch, Big Horn
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707 S. 15th St., Laramie
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Box 208, Basin
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The Thermopolis Spa, Thermopolis
WRIGHT, MRS. EDITH H.
Thermopolis
YANT, MRS. J. W.
1635 S. Walnut St., Casper

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Mangoplah, Via Wagga Wagga
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11 Olive St., Barnie, Tasmania
BYFIELD, MR. J. R.
Stoneleigh, Lindisfarne, Tasmania
CHANDLER, MR. R. T.
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Australia
COLE, MR. GILBERT
(Colonel Light Gardens)
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Australia
DANKS, MR. FRED M.
Gartref, 33 Balwyn Rd., Canterburg,
E 7, Victoria
DAVIE, CAPT. W. DAWSON
Dawson Park, Cowes-Phillips Isl.,
Victoria
DODD, MRS. FRED
26 James St., Gambier, South
Australia
EMMOTT, MR. E. J.
Balingup, West Australia
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State School, Osborne's Flat, via
Wodonga, Victoria
HARGRAVE, MR. D. M.
259 Elgar Rd., Box Hill E. 11,
Victoria

HARRISON, MR. A. M.
4 Hurlestone St., Prahran,
Melbourne, Victoria
HEINZE, MISS EILEEN
Palymara, Lansell Rd., Toorak,
Melbourne, Victoria
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Box 1168 K, G.P.O., Adelaide, South
Australia
MATHEWS, MR. R. C.
8 Barnett St., Hampton, Victoria
PIPER, MR. T. H.
Quamby, South Rd., Ulverstone,
Tasmania
ROSEBY, DR. D.
339 Church St., Richmond, El.
Victoria
SPINKSTON, MR. ROYCE D.
Cowra Chambers, 23 Grenfell St.,
Adelaide, South Australia
STEWART, MRS. J. McKELLER
Dalketh, Blackwood, South Australia
WHEELER, MISS FLORENCE
Eden Hill, South Australia

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BAUCKHAM, MR. CHARLES
% Sterling Trust Corp., Toronto,
Ont.
BEEVOR, MRS. A.
80 Avonhurst Ave., Islington,
Toronto 18, Ont.
BICKLE, MRS. HARRY (Sustaining)
42 Glen Elm Ave., Toronto, Ont.
BIEHL, MR. F. C.
21 Manning Ave., Stratford, Ont.
BILLES, MRS. J. W. (Sustaining)
177 St. Leonard's Ave., Toronto,
Ont.
BOYD, MRS. EDMUND (Sustaining)
71 Highland Ave., Toronto, Ont.
BRANDNER, MR. W. M.
RR 6, New Westminster, B.C.
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447 Blythwood Rd., Toronto, Ont.
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1504 Scotland St., Calgary, Alta.
BROADHEAD, MR. FRANCIS S.
82 Edgewood Ave., Toronto, Ont.
BROCHU, MRS. EVA
224 Trenton Ave., Town of Mount
Royal, Montreal 16, P.Q.
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185 St. Germain Ave., Toronto, Ont.
BROWN, MR. A. S.
278 Courtland Ave., Kitchener, Ont.
*BRUCE, DR. JAMES (Sustaining)
46 Whitney Ave., Sydney, Nova
Scotia (June 18-July 12)
BURGESS, MR. JOHN W.
16 Redan St., London, Ont.
BURROWS, MR. GEORGE
Box 43, Beamsville, Ont.
CALDWELL, MRS. W. C.
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Downsview, Ont.
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 COLE, MR. ROY G.
 187 St. Clair Blvd., Hamilton, Ont.
 *CORCORAN, REV. W. T.
 50 Well St., Stratford, Ont.,
 (June 7)
 COTTRELLE, MR. G. R. (Sustaining)
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 148 Forest Hill Rd., Toronto, Ont.
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 472 Tecumseh Ave., London, Ont.
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 Ont.
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 DICKSON, MR. HERBERT F.
 3012 7th St., W., Calgary, Alta.
 *DYER, MR. F. E.
 654 No. 4 Rd., Lulu Isl., Vancouver,
 B.C. (May 24-June 12)
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 Brighton, Ont.
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 239 Lake Shore Dr., New Toronto, Ont.
 FINLAY, MRS. W. L.
 Rt. 2, Woodbridge, Ont.
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 FORSE, MR. BION T.
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 South Porcupine, Ont.
 GARNETT, MR. THOMAS J.
 West Summerland, B.C.
 GEDDES, MRS. ROBERT R.
 369 Cumberland Ave., Hamilton, Ont.
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 Capreol, Ont.
 GLOBE, MR. A. R.
 Rt. 2, Grimsby, Ont.
 GOHIER, MR. R. E.
 241 Simcoe Ave., Montreal 16, P.Q.
 GOUINLOCK, MRS. R. W.
 135 Glen Rd., Toronto, Ont.
 *HALL, MR. EVERETT O.
 265 Regent St., London, Ont.
 (June 5-15)
 HALL, MR. F. A.
 20 Shotwell St., Welland, Ont.
 HARRISON, MR. S. B.
 Hagersville, Ont.
 HAWTHORNE, MRS. GEORGE
 86 Dundas St., London, Ont.
 HERALD, MR. W. C.
 36 Highcliffe Ave., Hamilton, Ont.
 HEWLETT, MR. THOMAS
 935 9th St., S., Lethridge, Alta.
 HIBBERSON, MR. J. A.
 853 Byng St., Victoria, B.C.
 HOBBS, MRS. J. W.
 2 Dewbourne Ave., Toronto, Ont.
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 3749 The Boulevard, Westmount, P.Q.
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 Walkerton, Ont.
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 Georgetown, Ont.
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 160 Delaware Ave., Hamilton, Ont.
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 Thorsby, Alta.
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 10036 147th St., Edmonton, Alta.
 LAIDLAW, MISS ANN
 32 N. Sherbourne St., Toronto, Ont.
 LAKING, MRS. L.
 Box 399, Hamilton, Ont.
 LAKING, MR. LESLIE
 Box 399, Hamilton, Ont.
 LITTLE, MR. C. E.
 Richmond Hill, Ont.
 LITTLE, MISS JANE ELIZABETH
 Richmond Hill, Ont.
 LITTLE, MR. ROBERT D.
 Box 270, Richmond Hill, Ont.
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 McCANN, MRS. WILLIAM
 Box 123, Thorold, Ont.
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 57 Andrew St., Orillia, Ont.
 McKEE, MR. KENNETH M.
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 RR 4, Simcoe, Ont.
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 55 Madawaska St., Arnprior, Ont.
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 Ancaster, Ont.
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 Hannon P. O., Ont.
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 46 Gottingen St., Halifax, Nova
 Scotia
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 159 MacDonell Ave., Toronto, Ont.
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 50 Lowther Ave., Toronto, Ont.
 MAXWELL, MISS LEILA B.
 10 1189 Yates St., Victoria, B.C.
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 Manville, Alta.
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 73 Heath St., E., Toronto, Ont.
 MILES, MR. WILLIAM
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 MILLER, MISS ADELAIDE LASH
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 46 Summerhill Gardens, Toronto,
 Ont.
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 MURPHY, MR. FRANK
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 NEW, MRS. RYLAND H.
 Lakeshore Rd., Oakville, Ont.
 NEWLANDS, MRS. JOHN
 142 Delaware Ave., Hamilton, Ont.
 OSLER, MRS. GLYN
 3 Thornwood Rd., Toronto, Ont.
 PALMER, MR. M.
 Drawer 10, Nanton, Alta.
 PARISH, MISS ADA
 366 Broadway, Toronto, Ont.
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 10 Cluny Dr., Toronto, Ont.

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Haileyburg, Ont.

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27 Mercer St., Toronto, Ont.

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Grimsby, Ont.

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Rt. 6, New Westminster B.C.

RITCHIE, MRS. T.
84 Avonhurst Rd., Islington,
Toronto 18, Ont.

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The Elms, Scarlett Rd., Weston, Ont.

ROYAL BOTANICAL GARDENS (Sustaining)
Box 339, Hamilton, Ont.

RUDDOCK, MRS. C. H.
1242 E. 18th Ave., Vancouver, B.C.

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Yarmouth Centre, Ont.

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Salmon Arm, B.C.

SANDERS, DR. J. L.
658 MacLaren St., Ottawa, Ont.

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Cottonwood, B.C.

SCARBORO GARDENS,
(Mr. F. W. France)
Eglinton Ave. & Mason Rd., Scarboro,
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SEALE, MR. H. E.
38 Bellwood Ave., Ottawa, Ont.

SHOOTER, MISS WINNIFRED
182 Lowther Ave., Toronto, Ont.

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STRATFORD HORTICULTURAL SOCIETY
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STUART, MRS. KEITH
Ottawa St., S., Mount Hamilton,
Ont.

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392 Sharpe Blvd., St. James, Man.

TATE, MR. J. R.
111 Indian Rd., Cres., Toronto, Ont.

TAYLOR, MR. G.
421 Westmoreland Ave., Toronto, Ont.

TEMPLIN, MISS MARGARET
West Lincoln Memorial Hospital,
Grimsby, Ont.

TEUSCHER, MR. HENRY, CURATOR
(Botanical Garden)
4101 Sherbrooke St., E., Montreal,
36, P.Q.

THEXTON, MR. R. H.
334 Sherwood Dr., Ottawa, Ont.

THOMAS, MRS. LORNA COLTON
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Agincourt, Ont.

VOGAN, MR. SAM J.
3 Lynwood, Toronto, Ont.

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WALSH, MR. O. M.
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WALSH, MRS. ORVILLE M.
180 Concession St., Hamilton, Ont.

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14 Milcove St., Toronto, Ont.

WATSON, MR. J. M.
52 Rowley Circle, Toronto 12, Ont.

WATSON, MRS. S.
30 Pleasant Blvd., Toronto, Ont.

WEBSTER, MR. A. J.
365 Lauder Ave., Toronto, Ont.

WHEELER, MRS. ROBERT
Rt. 2, Tweed, Ont.

*WHITE, MR. R. M.
RR 1, Summerland, B. C.
(May 25-June 10)

WILLIAMSON, MR. SAMUEL
574 Lauder Ave., Toronto, Ont.

WOOD, MR. C. F.
Hobbs Glass Ltd., 54 Duke St.,
Toronto, Ont.

WOOD, MR. GEORGE J.
414 McRoberts Ave., Toronto 10, Ont.

WORSLEY, MRS. D.
255 Indian Rd., Toronto, Ont.

ZURBRIGG, MR. LLOYD (Sustaining)
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Endeavour, Eden Grove, Byfleet,
Surrey

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Beeches, Surrey

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Christ Church Vicarage, 48 Old Rd,
E., Gravesend, Kent

BIRRELL, MR. JAMES M.
36 Woodside Ave., Chislehurst, Kent

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35 Bancroft Ave., London, N 2

BROWN, MR. F. C.
(Royal Horticultural Soc. Gardens)
Wisley, Ripley, Surrey

BRUMMITT, MR. LEONARD W.
30 Bloxham Rd., Banbury, Oxon

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Highcroft, Budleigh, Salterton,
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55 Crest View Dr., Petts Wood, Kent

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Vincent Square, London S W 1

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Swyncombe House, Henley on Thames,
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47 Gordon Ave., Highams Park E 4

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8 Brambledown Rd., Sanderstead,
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17. Beckenham Grove, Shortlands,
Kent

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 (Royal Horticulture Society)
 Vincent Square, Westminster,
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 The Kent Group, Two Chimneys,
 Oxenden Wood R. Chelsfield, Kent

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 109 Alexandra Rd., Burton on Trent

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 Tickford Park, Newport Pagnall,
 Bucks

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 18 Semaphore Rd., Guilford, Surrey

GUTCH, MR. H. W.
 The Garden House, Purley, Reading,
 Berks

HADDEN, MISS JOAN
 Chedworth by Cheltenham,
 Gloucestershire

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 Fairfield, Edwin Rd., W. Horsley,
 Surrey

HORROX, MR. R. S.
 Southgate House, Eckington, near
 Sheffield, Yorkshire

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 Gedling House Gedling, Notts

LAVENDER, REV. A. R. A.
 The Vicarage, Guist, Dereham,
 Norfolk

RT. HON. THE EARL OF MORTON
 The Hatch, Churt, Surrey

NEEL, MR. LAURENCE W.
 West House, Walton Park, Walton-on-
 Thames, Surrey

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 20 Birchin Ln., London E C 3

O'CALLAGHAN, MRS. D. A.
 Oak Ln. Farm, Newdigate, Surrey

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PILKINGTON, MR. G. L.
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 193 Kew Rd., Richmond, Surrey

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 Sandilands, Brooklyn Rd., Woking,
 Surrey

SELIGMAN, MRS. BRENDA Z.
 Court Leys, Toot Baldon, Oxford

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 Weston Hall, Towcaster,
 Northamptonshire

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 Highdown, Goring-by-Sea, Sussex

STOPFORD, MISS D.
 Polmont, Radlett, Herts

TOWNDROW, MR. K. ROMNEY
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 Chiltington Common, Sussex

WALLACE, MR. R. W.
 Tunbridge Wells

J. WATERER SONS & CRISP
 The Floral Mile, Twyford, Berks

WELLS, DR. A. Q.
 Shipton Manor, Kidlington, Oxford

WHITE, MR. A. T.
 Aldbury, Oaklands Ave., Oxhey, Herts

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 Tidcombe Manor, Near Marlborough,
 Wiltshire

YATES, MR. J. A.
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 Herts

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 20 Rue de Paris, Verieres-Le-Buisson,
 (Seine-et-Oise)

HOLLAND

KRELAGE, MR. E. H.
 Stolberstraat 6, Haarlem

ITALY

SENNI, COUNTESS MARY
 Grottaferrata, Rome

TANTILLO, SIGNORA JOYCE
 48 Corso Umberto, Madica, Sicilia

MEXICO

*BIXBY, MR. HENRY D., JR.
 Apartado 37 Bis., Mexico, D. F.
 (March 28-April 10)

NEW ZEALAND

AUSTIN, DR. LESLIE G.
 40 Wright St., Wellington, C.I.

BIRRELL, MRS. GITHA
 505 W. Southampton St., Hastings

BLACKBURN, MR. TREVOR D'ARCY
 14 Clifford St., Gisborne

CHRISTIE, MRS. D.
 Putiki, Wanganui

CURRIE, MRS. E. LORNA
 30 Hackthorne Rd., Christchurch S 2

OUTHIE, MISS JOYCE
 Heretaunga, Upper Hutt

KEARNS, MRS. STELLA E.
 19 Tyne St., Oamaru

NEILL, MR. L. J.
 Timaru, Waimate, RD, Timaru

STEVENS, MRS. JEAN
 Bastia Hill, Wanganui

SYME, MRS. PETER S.
 Auckland Rd., Warkworth

WHITE, MR. KEVIN
 RD Okaihan, Bay of Islands

SOUTH AFRICA

BEHRENS, MR. E., SUPT. OF PARKS
 Boksburg, Transvaal

BELL, MRS. ERIC
 Johannesburg, Box 4371, Transvaal

BOSHOF-MOSTERT, MRS. FRIEDA
 Kleinskueet, P. O. Box 84, Balfour,
 Transvaal

CARBUTT, MRS. NOEL
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 P. O. Northlands, Johannesburg

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 P. O. Box 325, Germiston, Transvaal

JACOBSZ, MRS. R.
 Rowena, Box 89, Marquard OFS

PASCOE, MRS. DULCIE
 Post Detante, Table Mountain,
 Pietersmaritzburg

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 (Pike's Flower Farm)
 Addo, Eastern Cape Province
 QUY, MRS. C. E.
 P. O. Whittlesea, Queenstown, C.P.
 ROXBURGH, MRS. N.
 15 Lawrence Rd., Westcliff,
 Johannesburg
 WADLEY, LT. COL. E. J.
 Caerleon, P. O. Parklands,
 Johannesburg

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BARRETO, MRS. JOVITA BUNGEDE
 Calle Arribenas 1417, Belgrano,
 Buenos Aires, Argentina
 BELL, MRS. PERCY
 Las Campanas, Hurlingham F.C.P.,
 Argentina
 deBELL, MRS. ALICIA C.
 Las Campanas, Hurlingham F.C.P.,
 Argentina
 HAWTREY, MISS RUTH
 Roselen, City Bell, R.C.N.G.R.,
 Buenos Aires, Argentina
 LANG, MRS. A. C.
 San Lorenzo 879, Olivos, F.C.C.A.,
 Argentina
 SOCIEDAD ARGENTINA de HORTICULTURA
 Avenida Alvear 2750, Buenos Aires,
 Argentina
 van SPANKEREN, MRS. G. H.
 Juan B. Alberdi 1299, Olivos &
 F.C.C.A., Buenos Aires, Argentina

TURKEY

WALKER, MR. A. V.
 Socony Vacuum Oil Co., Box 660,
 Istanbul

WALES

LONG, MR. B. R.
 1 Lon Cynfor, Swansea

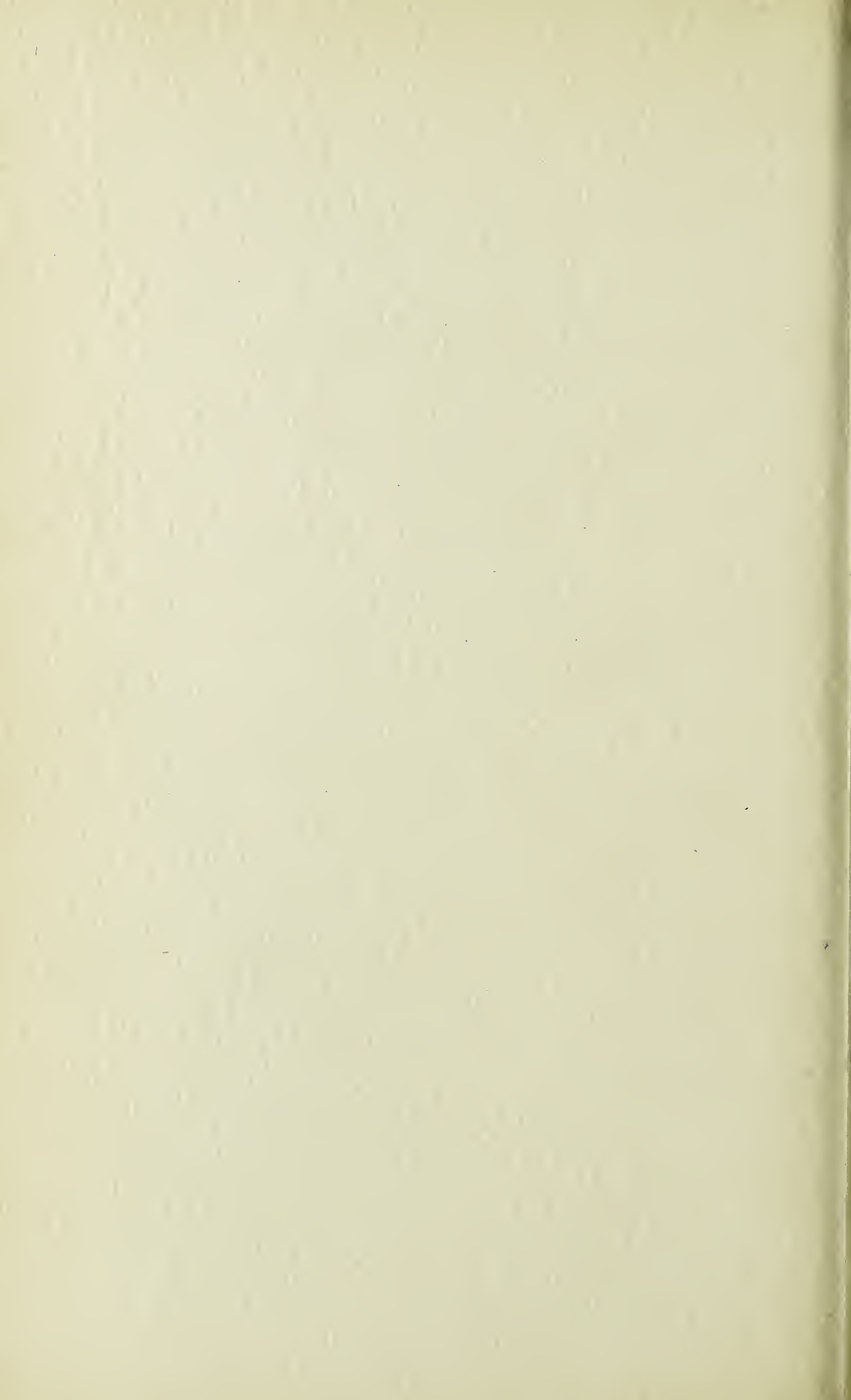
AVERAGE "PEAK-BLOOM" DATES

TALL BEARDED IRISES

- ALABAMA — Birmingham, April 25.
ARKANSAS — Little Rock, April 30.
ARIZONA — Phoenix, May 8; Somerton, April 10.
CALIFORNIA — Arcadia, April 20; Berkeley, May 5;
Oakland, May 15; San Bernardino, April 25; Ventura, April 25.
COLORADO — Colorado Springs, June 1; Denver, May 28;
Pueblo, May 20.
CONNECTICUT — New Haven, May 30.
DELAWARE — Wilmington, May 24.
DISTRICT OF COLUMBIA — May 15.
FLORIDA — No Tall Bearded season.
GEORGIA — Atlanta, April 25.
IDAHO — Caldwell, May 16; Coeur d'Alene, June 5;
Twin Falls, June 7.
ILLINOIS — Carbondale, May 12; Evanston, June 5.
INDIANA — Bluffton, May 30; Hammond, May 30;
Indianapolis, May 15.
IOWA — Des Moines, May 28; Sioux City, May 28.
KANSAS — Atchison, May 18; Marysville, June 1;
Wichita, May 15.
KENTUCKY — Bowling Green, May 10; Louisville, May 15.
LOUISIANA — Shreveport, April 20; Tallulah, April 22.
MAINE — Portland, June 25.
MARYLAND — Silver Spring, May 18; Westminster, May 20.
MASSACHUSETTS — Gardner, June 15; Lowell, June 10;
Medford, June 12; West Barnstable, June 3.
MICHIGAN — Comstock, May 30; Dearborn, May 30;
Detroit, June 4; Saginaw, June 7.
MINNESOTA — Minneapolis, June 7.
MISSISSIPPI — Grenada, April 25.
MISSOURI — Aurora, May 15; Kansas City, May 20;
St. Joseph, May 20; St. Louis, May 12.
MONTANA — Bozeman, June 15.
NEBRASKA — Auburn, May 25; Omaha, May 20.
NEVADA — Las Vegas, May 1-15.
NEW HAMPSHIRE — Concord, June 15.
NEW JERSEY — Montclair, May 20.
NEW MEXICO — Albuquerque, May 1-10.
NEW YORK — Blauvelt, May 30; Ithaca, June 7;
Staten Island, May 26.

NORTH CAROLINA — Greensboro, May 7.
 NORTH DAKOTA — Fargo, June 10.
 OHIO — Cincinnati, May 18; Columbus, May 28;
 Greenville, May 25.
 OKLAHOMA — Altus, April 25; Norman, May 1;
 Oklahoma City, May 5.
 OREGON — Eugene, May 17; Portland, May 14.
 PENNSYLVANIA — Reading, May 25.
 RHODE ISLAND — Providence, June 7.
 SOUTH CAROLINA — Spartanburg, April 28.
 SOUTH DAKOTA — Sioux Falls, June 7.
 TENNESSEE — Memphis, April 30; Nashville, May 8.
 TEXAS — Dallas, April 20; Fort Worth, April 20;
 Frisco, April 20; San Antonio, April 5; Wichita Falls, April 25.
 UTAH — Salt Lake City, May 28.
 VIRGINIA — Arlington, May 15; Roanoke, May 15.
 VERMONT — Cuttingsville, June 10.
 WASHINGTON — Seattle, May 15; Walla Walla, May 15;
 Yakima, May 15.
 WEST VIRGINIA — Charleston, May 25.
 WISCONSIN — Milwaukee, June 9; Niagara, June 8;
 Waukesha, June 5.
 WYOMING — Sheridan, June 8.
 CANADA — Summerland, B. C., June 1; Vancouver, B. C., June 10;
 Hamilton, Ont., June 9; Toronto, Ont., June 11; Regina, Sask.,
 June 23.





BULLETIN

A *of the* AMERICAN IRIS SOCIETY

APRIL-1950

NUMBER 117



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FOREWORD

Along with most other Irisarians I think, early spring gives me a severe case of Symposiumitis. Now I do not know whether that is a good word or not, but you will not have to think very hard to know what I mean. Just as soon as the thing is published, I grab my list of varieties and begin checking. I have this one—I don't have that one; here is a blue that I ought to plant in my late bed, and look at Carmen Miranda, the old gal is tied up tight with Red Ribbon in nineteenth place; this goes on till I reach the end and then I remember in the mail that always accompanies the many remittances at this time of the year, your editor will receive a veritable flood of letters from all parts of the country asking for more varietal comments, not on the new things in the Symposium or the awards list, but rather on older varieties. Our readers frankly state that many of the varieties listed in the awards and in the Symposium are beyond their financial reach. And they want comments on the things that they are able to afford.

There will be other letters later on asking for exactly the opposite information. Many will write asking for advance dope on the Dykes, the list of AM winners, the Symposium and what have you. Really, the situation can become highly confusing. How much space should we allot to the older varieties, how much to the novelties. Of course a lot always depends upon the material we receive from our correspondents for within certain limits we must necessarily publish what they send in. And what they send in to us depends upon whether they look at an iris from the point of view of the collector or from the point of view of the gardener.

I wonder if we are not neglecting the gardener—the man who wants a flower not for its newness or its relative rarity but rather for its value as a perennial plant in the border.

In our quest for things that are different I wonder if we are not sacrificing our sense of values. At the present the fad is wide hafts, lack of reticulation, ruffledness, crepe-paper edgings, Picasso plicatas and so on. Have we forgotten performance, the ability to bloom year after year with the minimum of trouble on the part of the gardener? Have we forgotten disease resistance, the early blooming habit, and those that prolong the season on the late side? Are we leaving to pure chance the flower that lasts for three or four days instead of one or two?

SEEDLINGS AT BLUFFTON—(Frontispiece—Caldwell photo)

Frank Grant, Emma Cook, Geddes Douglas and Paul Cook (from left to right) inspect a row of "reds" in the Cook seedling patch.

Are we passing by the plant that covers itself with a multitude of blossoms for weeks at a time in our quest for a new color that may appear on a plant that is in bloom today and practically gone tomorrow?

My own personal answer to these questions set me to thinking of the varieties of tall bearded iris that I grow and get the most pleasure from, and I discovered that I do have quite a few plants that give me these many qualities, plants for the most part that have been passed by in the parade of the winners. All irises do not do well in my hillside garden with its north exposure. Snow and ice stay with me in the winter long after other gardens are warm and dry. The garden is subject to greater damage from freezes and thaws; in the summer the slanting rays of the sun leave it humid and wet, a condition conducive to rot. But there are certain irises that seem to be unaffected by all these adversities. *Corrida* (Mil. 1914) was planted in 1936. It has never been touched and year after year produces a flat sheet of light blue heads that make a lovely spot in the landscape picture. *Blue Delight* is one of the most dependable of the early bloomers. I have seen it frozen stiff, only to open its second crop of flowers as if nothing had happened. *Blue Delight* is a Grant iris from *Gloriole* X *Shining Waters*. *Gloriole* comes from *Souv. de Loetitia Michaud* X *Queen Caterina*, and *Souv. de Loetitia Michaud* comes from none other than my friend *Corrida* crossed on to the species *Ricardi*.

Silver Lustre, a very late blooming blue from Carl Carpenter of Owensboro, Ky., is another excellent variety seldom listed among those at the head of the list. In my garden it is a top performer year in and year out. I grow two marvelous yellows that I hear very little about. One is early—*Song of Gold*—and the other is *Raejean*, a late blooming sort from Mrs. Whiting that stays a perfect mass of flowers long after most of the regular midseason varieties are gone.

Much comment is devoted to the new whites that are coming on the market, but I still do not have anything that puts on a better show than the old timers *Birchbark* and *Cathedral Dome*. In the pinks there are two not so old ones that for sheer blooming performance completely outshine anything that is offered in the tangerine bearded sorts—*Manyusya* and *Pink Ruffles*. On the basis of its last year's effort *Pink Cameo* may make me revise this opinion, which I will be glad to do when the time comes.

Most people do not realize it, but there are two kinds of early blooming tall bearded iris. One kind is the iris that tries to grow all winter. In areas where they do not get frozen they usually bloom very early, and may even rebloom in certain climates. The other kind of early bloomer seems to wait before making its first growth, but once started it progresses very fast and comes into bloom a week or ten days be-

fore the midseason sorts. Edna Hicks is one of these, tall, robust, free-blooming and withal, a wonderful iris if you need a rose-purple for landscaping.

The iris public has been almost what I would term amoena-over-conscious for several years, but I have heard little if anything about a very delightful French introduction called Rene Cayeux. Mrs. Mary Tharp sent it to me and it is one of my very special pets. It is not a true amoena but more on the neglecta side, neat, trim and attractive for the front of the border.

Without particularly meaning to do so, I seem to have listed an even dozen irises in this selection of also-rans. And you will probably get a good laugh at the twelfth one but I could no more leave it out of my iris garden than I could leave off my shoe if I wanted to go walking. Gay Hussar is a pint sized little fellow that reminds me of a bantam rooster getting ready to crow. But it is bright, perky, hardy, floriferous, disease resistant, and all its parts are in good proportion, slender stalk, small flowers, graceful leaves. What more do you want? Gay Hussar will give you your money's worth even if you paid ten times its current catalog price.

In past years we had a system of judging that recognized other qualities in a flower besides the frills and furbelows. Now we have no point score to remind us of these things. We vote on our iris as if they were in a bathing beauty contest. So, before it is too late let's remind ourselves once more that an iris is primarily a garden flower, to be grown in a perennial border possibly, or as an edging, or for color in clumps, and not always as an exhibition. For if they fail in the garden no amount of specialized interest can support them as a flower of national interest.

GEDDES DOUGLAS, *Editor*.

IRIS COLOR CLASSIFICATION

(1949 Revision) *

ROBERT E. ALLEN, (Registrar)

Before a revision of AIS Iris Color Classification, as published in the 1939 Check List, was undertaken, consultations were held with several authorities on color and color charts and officials of various other flower societies were consulted by correspondence on the general subject of color charts and color classification systems. It was found that in the great color laboratories and studios that serve the paint, dye, ink and textile industries the description, classification and identification of colors is a science in itself. With the proper instruments it is a relatively simple matter to identify and classify any given hue and evaluate its intensity and purity. These precise instruments have considerably greater color discrimination than the human eye so the number of different hues is naturally much greater than the number of words available to describe or name them.

The identification and classification of colors is one thing, but the accurate reproduction of these colors on paper, fabric or plastic is something much more difficult. In the case of color charts, it is the accuracy of this reproduction as well as the authenticity of the names assigned that determine the utility of the particular chart. Here lies most of the confusion and difficulty in flower color names and symbols.

Before going further with this subject it is necessary to re-emphasize here that a color classification system and a color chart are two different things and serve two different purposes in the horticultural world.

1. A color classification system is principally for the use of registrars and recorders. The symbols of even an elaborate system cover such a narrow range as to render the system valuable only as a source of uniform, abbreviated, general description. It is useless as a source of descriptive color names of the types that most breeders and dealers want.

2. A color chart with the maximum number of accurately reproduced and authentically named hues is what the plant breeder and dealer needs to convey to others the flower color of some new iris, sweet pea, narcissus, hemerocallis, etc. To the registrar or recorder of new varieties, the color chart is useful principally in translating the more precise

* EDITOR'S NOTE: This report was submitted to the Board of Directors November 5th, 1949, at the meeting in Chicago, Ill. The board adopted the Revised Color Classification and recommended the use of the Wilson "Horticultural Colour Chart."

description of a flower color to the more general symbols of the classification systems currently in use.

Now with this distinction clearly in mind, we can proceed to a discussion of color charts which being more widely used, are more important than a classification system.

COLOR CHARTS

In the course of an investigation of the subject of color charts, it was found that the Munsell Book of Colors is generally considered to be the outstanding work in the field of color charts. Pages from Munsell are seen on the walls of nearly all studios and laboratories dealing with colors. In quite general use in the fields of textile design and interior decoration is the "Manual of Color Harmony" by Egbert Jacobson with its removable plastic tabs that facilitate comparison. Though both these works are excellent their high price (\$75) makes them out of reach for the average plant breeder or dealer.

Since the best is practically unavailable, we immediately turn to the secondary color charts of particular horticultural interest. The three that are best known in the United States are:

Ridgway: Color Standards & Color Nomenclature. 1912

Maerz & Paul: Dictionary of Color. 1930

Wilson: Horticultural Colour Chart. 1938-41

Of these, Ridgway is now out of print and hard to obtain besides being obsolescent. Maerz & Paul is still obtainable without great difficulty at \$14. Its text is excellent but its color charts leave much to be desired in comparison with Munsell or for horticultural use.

The Wilson "Horticultural Colour Chart" is the latest and the best of the charts available at a reasonable price, (\$12-15). Unfortunately, it is not yet complete for the two volumes issued to date do not include the numerous browns, tans, and the other darker shades, but it is understood a third volume, to be issued at a later date, will list these. The color reproduction is excellent and the listing of synonyms and foreign language names is helpful. Looseleaf binding makes the color comparison easy. Especially useful is the color index in which the colors are listed in the same broad chromatic classification as the Fischer Color Chart, of which more later.

From the foregoing summary, it is obvious that not only is the Wilson "Horticulture Colour Chart" the best source of color names and comparisons, but is the only one now generally available. The addition of the brown and tan section will be needed to make it complete. As long as the Ridgway and Maerz & Paul books are in use, it is quite probable that their owners will continue to refer to them for color names. This practice should be tolerated because the adoption of some other color chart by directorial fiat might well prove unpopular

and it is better to use an accepted color name of some authority than to have fanciful and unsanctioned names applied at will.

Systems of Classification

Now to the subject of color classification systems on which we have had widely variant advice ranging from "make no changes" to "include secondary colors." Generally, sentiment has been opposed to unduly elaborate and complex systems. Actually, however, most breeders who have been consulted are far more interested in color names than in the symbols used to classify those names. They seem quite content to let registrars and recorders work out some system to suit themselves, just so it isn't too much of a crossword puzzle.

Associated with the question of a color classification is the Fischer Color Chart, an inexpensive (\$2.00) color wheel index of 108 colors of which only the 18 principal chromatic groups are named. This chart has been used for years as the approved chart of the New England Gladiolus Society and many thousands are in use all over the country. It is limited in scope and some of its colors might be better reproduced, but everything considered, it is an excellent tool for the use of those whose interest in horticultural color is general rather than specific.

The Fischer Color Chart can also be very useful in serving as a Rosetta stone to translate color names to color symbols for use by the registrars and recorders. In the Fischer Chart, each primary and secondary color has its two companion hues. For example: the red segment includes violet-red; red; and orange-red, while the violet segment includes blue-violet; violet and red-violet and similarly with the other primary and secondary colors. Black, white and the intermediate grays, of course, conform to the particular laws governing their place and function in the color scheme.

To illustrate the inter-related functioning of the color chart, the color wheel (Fischer), and the color classification, take two irises which are described as being Orchid Purple and Gentian Blue respectively. Reference to the Wilson Colour Chart index shows that Orchid Purple is actually full red-violet, while Gentian Blue is full violet-blue. In other words, one is a violet and the other a blue. Passing on to another variety which is listed as Magenta, we find by reference to the index that Magenta self would be R7M; but an Orchid Purple self would pose somewhat of a problem for the classifier and would probably wind up as an R7M also because it is slightly closer to the red than the blue. It is in such cases of violet and orange hues that the need for secondary colors becomes apparent, although in the field of foliage colors there is an equal need for green. Despite certain technical objection, therefore, it is considered necessary to include

secondary colors, together with primary colors, as predominant colors in a revised color classification system.

In such a revised system using six spectrum colors, the Gentian Blue would be symbolized as B1M; the Magenta would be R7M; but the Orchid Purple would be V7M, since it is on the red side of the violet. This brings up the question of the number of subordinate color tones that should be recognized in the revised system. A little consideration will lead to the conclusion that if a violet can be subordinately red, then a red can be subordinately violet. We cannot say that violet is included in either blue or red anymore than we can say that green is either blue or yellow. Therefore, if the predominant colors of a color classification are white, black, violet, blue, green, yellow, orange and red, provision must be made for the same colors as subordinate tones.

If such a color classification is prepared in the usual tabular form, it would take on the appearance of a big-league baseball schedule and would indeed, be a "cross-word puzzle" to the average flower grower and would probably receive scant acceptance. Similarly, if the two intermediate hues that are recognized between each spectrum color were included as either predominant or subordinate color tones, or both, something as complex as a tide table would result if put in tabular form.

A practical limit to the number of predominant and subordinate colors in a color classification system can be found in an analysis of what is meant by the words bicolor and bitone. Long usage has decreed that a bicolor iris is one having petals of one spectrum color, or white, and sepals of another spectrum color.

On the other hand, as the name implies, bitone irises are those having petals of one tone of a hue and sepals of another tone of the same hue. Thus, a bitone iris may have petals of a light violet tint and sepals of a dark violet shade, or it might have light orange petals and dark orange sepals and so on. Suppose, however, that an iris has light blue-violet standards and dark red-violet falls. Is it a bicolor or a bitone? Since it does not conform to the definition of a bicolor, it must be regarded as carrying two tones of the same spectrum hue and not extended to include two tones of the 12 intermediate hues as well.

This brings us to a working decision that a revised color classification system should include black, white, violet, blue, green, yellow, orange and red as both predominant and subordinate colors. However, this does not mean that a complex table with at least 192 symbols needs to be used. All that is needed is the following simple table in which it is assumed that the predominant colors may appear also as subordinate colors in non-self flowers, and the appropriate color symbol used to indicate a subordinate color in one variety that may be the predominant color in other varieties.

IRIS COLOR CLASSIFICATION 1949 Revision

Color Pattern

Predominant

Color	Selfs	Plicatas	Bitones	Bicolors	Blends
White	W 1	W 2	W 3	W 4	W 5
Violet	V 1	V 2	V 3	V 4	V 5
Blue	B 1	B 2	B 3	B 4	B 5
Green	G 1	G 2	G 3	G 4	G 5
Yellow	Y 1	Y 2	Y 3	Y 4	Y 5
Orange	O 1	O 2	O 3	O 4	O 5
Red	R 1	R 2	R 3	R 4	R 5
Black	N 1	N 2	N 3	N 4	N 5

1. *Subordinate Colors*: Subordinate colors are hues other than the one that gives the predominant color effect to a flower. The feathering, stippling and sprinkling of color on plicatas is a subordinate color. So also are the blazes, spots, edging, halos, and other color patterns found on so many irises, daylilies and other flowers. When present in significant amount, subordinate colors in an iris are designated by the same appropriate letter used to designate predominant colors. The letter designating subordinate color immediately follows the dash which marks the end of the predominant color and pattern symbol. Thus: MINNIE COLQUITT, W2M-V; DUET Y5L-B; GOLDEN FLEECE, Y5M-W.

2. *Bitones*: have standards of one tone (usually lighter) and falls of another tone (usually darker) of the same hue. Familiar bitones are LOTHARIO, RUBIENT, AMIGO, FAIR ELAINE. Falls and standards of bitones may have some subordinate color tone, such as the lighter edging on the falls of RUBIENT, without changing their designation as bitones.

3. *Bicolors*: have standards of one hue and falls of another (usually darker). Bicolors were formerly limited to those with white standards (amoenas) and yellow standards (variegatas). However, with six full hues, bicolors may now have yellow standards with orange falls; blue standards with red falls, orange standards and violet falls, or any similar or revised combination. The hue of the standards is *arbitrarily* considered the predominant color in bicolors.

4. *Blends or Polychromes*: in which two or more distinct hues are found in blends or shot patterns on standards or falls, or both, are designated by the symbol "5" immediately after the predominant color symbol. Examples of Polychromes are MINUET, ALADDIN'S WISH, JOPPA PARROT, GRAND CANYON.

5. *Tone Symbols*: indicating the tone of the predominate color im-

mediately follow the number indicating type of color pattern. Color tone symbols are L (lighter tone or tint); M (medium tone or full hue); and D (darker tone or shade). Thus LILAC LANE-VIL, a lighter tone red-violet self.

6. *Black-N*: (for niger or no color) is added to the table to provide a classification for the few gray irises. Light grays will be shaded whites (WID-N) while dark grays are tinted blacks (NIL-W). The classification will also be available when black or partly black irises are involved.

It will be seen that the introduction of secondary colors, particularly orange and violet, and the recognition of the blend and the bicolor as color patterns rather than color classes has made it possible not only to simplify and clarify the iris color classification system, but to improve understanding of the descriptive symbols by the use of one additional letter instead of numbers to indicate subordinate colors.

Although now considered unnecessary, it may be pointed out that for more precise classification, two letter symbols for intermediate hues may be used without further revising the system. If the predominant color of an iris is red-violet or blue-violet instead of violet the predominant color symbol may simply be expanded to R V or B V. The other intermediate hues may be similarly designated if they can be determined accurately from the flower or its color chart description.

The tools to be used in identifying and classifying iris colors are three in number.

1. A good color chart with accurate reproduction and as many authentic color names as possible. Since there is no need for such a chart to show the great number of shades and tints used principally by the textile and paint industries, a color chart designed especially for horticultural use is recommended. The Wilson "Horticultural Colour Chart" is particularly good, and is the latest available. Other color charts may be used to identify color names if such names are readily translatable into spectrum and intermediate hue groups.

2. A good color wheel of the "Fischer Color Chart" type showing a few tints and shades of each of the eighteen spectrum and intermediate hues which will translate the color names to the hues and tones by which the color is classified.

3. A revised "Iris Color Classification" from which the symbols used in designating the color classification can be derived.

Iris color identification and classification is seldom easy and often difficult, particularly when dealing with some oriental species and their hybrids. Therefore, in addition to the tools listed, constant practice is needed if accurate color identities and classes are to be determined.

NOTES ON COLOR CLASSIFICATION

ROBERT E. ALLEN

In any classification that deals with the three dimensions of color plus the added characteristic of pattern it is understandably difficult to convey all four properties to the two dimensions of the printed page. On the subject of pattern alone there are good technical reasons for emphasizing that the pattern of coloration is the most important element of classification. This would require that irises be thought of first as self, plicatas, bitones (chromatic selfs), bicolors, and blends (polychromes), rather than as violets, blues, yellows, oranges, reds, and whites. It is at once obvious that the concept that pattern is more important than color is a bit too novel for most of us to accept, hence the use of the color-base classification as above. Some of the principal difficulties that arise in the classification of irises by color are found in the following situations:

1. The differentiation of browns, tans, coppers, hennas, bronzes, chestnuts, etc., into the proper color groups. These hues are all shades of red, orange and yellow respectively but in the darker shades it is impossible to place them without a color chart. Many of our most striking irises are in reality in the very dark red-orange to very dark-yellow-orange range.

2. The differentiation of the violet-to-red zone. This zone, where the shortest light rays blend with the longest is where the restive purple roams. Actually applied first to crimson by the ancients, the purple of the Romans was Tyrian Purple (727), which is simply a darker shade of Magenta (27), of which Ruby Red (827) is the next darker shade, while Rose Pink (427) is simply a lighter tint of the same Magenta. However, Tyrian Purple is not the reddest hue called purple because Solferino Purple (26) is the full hue, of which Indian Lake (826) is a darker shade. Approaching the violet, however, we do not lose the name purple until we reach Plum Purple (934) which is a darker shade of Bishops Violet (34). With "true purple" now designated as Orchid Purple (31), which is equivalent to the full hued Red-Violet, it is apparent that the range of purple names goes five units toward the red from true purple but only three units toward the violet. The shade Violet Purple (733) as the name implies, is just midway between true purple (3), or Ridgway (65) and violet (36). In some sections of the country the words purple and violet are used inter-changeably. In thinking of true purple it will help to think of the color of a cattleya orchid. Irises that come close to orchid purple (red-violet) are Elmohr, Deep Velvet, Indian Hills, Lord Dongan, Purple

Moor, Master Charles, Bright Melody, Thelma Jean, and a number of older ones.

3. The differentiation of the violet-to-blue zone in which are found all of the "blue" irises. Actually, there is as yet no iris quite as blue as Gentian Blue (42) which is true violet-blue. However, there are relatively few flowers that approach Spectrum Blue (45) any closer than some of our bluer irises. It is in the range from Aster Violet (38) to Gentian Blue (42) that we find most of the flower blues such as Veronica Violet, Lavender, Wistaria Blue, Hyacinth Blue, Lobelia Blue, Flax Blue and others. Many of our finest blue irises are various tones of Hyacinth Blue and Lobelia Blue, the two hues that span the gap between blue-violet and violet-blue. A full Gentian Blue iris will be a real accomplishment.

4. The identification of pinks. This is one of the most difficult of all classifications. Correctly speaking, pink is a light tint of red. This would mean that pinks corresponding to Geranium Lake (20) and on to Solferino Purple (26) would be correct. However, it isn't as simple as that for named pinks range from Salmon Pink (412), a tint of orange, clear through to Fuchsine Pink (627) which is a light Magenta. Thus the long 8 unit range of the purples is completely dwarfed by the overlapping 15 unit range of the named pinks. Actually, however, a range of pale tints all the way from Apricot (609) to Amethyst Violet (635) are loosely called pinks and include the peripheral tints of more than one-third the color circle. True pinks (light reds) are rather scarce and are difficult to distinguish from the Peach or Shell Pinks on one extreme and the Orchid and Lilac Pinks on the other. Salmon, Peach and Carrot Pinks are lighter tints of Orange (12), while Orient, Shell and Shrimp Pinks are lighter tints of Poppy Red (16) which is true red-orange. The net result of all this is that the shell, peach, apricot and flamingo pinks will be found classified in the orange group, while the lilac pinks as well as the orchid pinks will be found entirely in the red group. Pinks that correspond to the most common concept of pink are: Venetian Pink (420), Dawn Pink (523), Phlox Pink (625), and Rose Pink (427). The full hues of these pinks are Geranium Lake, Rose Madder, Rose Bengal and Magenta, respectively.

1949 SYMPOSIUM

IRIS FAVORITES ACCORDING TO COLOR

WHITES (21): Varieties having white or nearly white standards.

WW1: White-white selfs. Very nearly or entirely pure white. New Snow (18); Lady Boscawen (21); Katherine Fay (39); Spanish Peaks (47); Priscilla (75); Matterhorn (81)

BW1: Blue-white selfs. Buds faintly blue toned. Snow Flurry (15); White Wedgewood (87); And Thou (140)

YW1: Yellow-white selfs. Infused yellow around hafts and styles.

Winter Carnival (50); Snow Carnival (60); Sharkskin (71); The Capitol (101); Snow Velvet (108); Gudrun (109); Artic (138)

W2: White plicatas. White grounds; any color markings. Blue Shimmer (11); Los Angeles (24); Minnie Colquitt (55)

W4: White bicolors: White or near white standards, colored falls.

Wabash (12); Extravaganza (41)

VIOLETS (19): Varieties having standards of red-violet, violet, or blue-violet tones.

V1L: Light violet tone selfs.

Violet Symphony (44); Ormohr (114); Lilac Lane (146)

V1M: Medium violet and purple selfs.

Master Charles (7); Elmohr (9); Deep Velvet (56); Lord Dongan (86)

V1D: Dark violet selfs.

Sable (8); Black Forest (42); Vatican Purple (95); Black Banner (103); Indian Night (105); Brunhilde (120)

V3: Violet bitones.

Amigo (26); Lothario (58); Three Cheers (63); Nightfall (100); Louise Blake (130)

V4: Violet bicolor.

Lady Mohr (10)

BLUES (19): Varieties having standards of violet-blue, blue, or green-blue tones.

B1P: Pale blue selfs.

Helen McGregor (4); Azure Skies (14); Distance (45); Gloriele (69); Cloud Castle (84); Shining Waters (89); Lake Breeze (118)

B1L: Light blue selfs.

Great Lakes (2); Sylvia Murray (49); Bandmaster (53); Lake George (83)

B1M: Medium blue selfs.

Chivalry (3); Blue Rhythm (5); Blue Valley (28); The Admiral (31); Missouri (90); Sierra Blue (97); Pierre Menard (194); Esquire (136)

YELLOWS (42): Varieties having standards of green-yellow, yellow or orange-yellow tones.

Y1L: Light yellow, lemon, cream and buff selfs.

Amandine (16); Chamois (36); Desert Song (57); Golden Treasure (80); Old Parchment (121)

Y1M: Medium yellow selfs.

Treasure Island (51); Golden Majesty (66); Ming Yellow (98); Golden Russet (115); Golden Eagle (123); Golden Ruffles (139);

Y1D: Dark yellow selfs.

Ola Kala (1); Berkeley Gold (13); Goldbeater (46); Spun Gold (52); Cloth of Gold (61); Jascup (145).

Y2: Yellow plicatas; Yellow ground; any color markings.

Tiffanja (20); Firecracker (73); Tiffany (99); Suzette (102); Ruth Pollock (107); Balmung (127); Rainbow Room (134)

Y3: Yellow bitones.

Fair Elaine (38); Moonlight Madonna (43); Golden Fleece (48); Elsa Sass (94); Misty Gold (111)

Y4: Yellow Bicolors. Yellow or near yellow standards. Falls contrast colored.

City of Lincoln (64); Gypsy (82); Mary Vernon (96); Frank Adams (106); Staten Island (141); Red Torch (142)

Y5: Yellow, buff, and cream blends.

Cascade Splendor (17); California Peach (117);

Mellowglow (124); Stardom (129); Pretty Quadroon (149)

ORANGES (10): Varieties having standards of yellow-orange, orange and red-orange tones.

O1L: Light orange and shell-shrimp pink.
Pink Cameo (19); Cherie (34); Spindrift (79);
Flora Zenor (135)

O1M: Medium orange and apricot selfs.
Rocket (35); Prince of Orange (122)

O1D: Dark orange shade selfs.
Tobacco Road (40); Arab Chief (65); Argus
Pheasant (67); Brown Thrasher (126)

O5: Orange, apricot, copper and salmon blends.
Prairie Sunset (23); Daybreak (88); Sunset Sere-
nade (133); Brilliant Amber (148)

REDS (39): Varieties having standards of orange-red, red or violet-red tones.

R1L: Light red and pink selfs.
Chantilly (27); Dreamcastle (29); China Maid
(54); Lynn Langford (77); Fantasy (78); Har-
riett Thoreau (92); Pink Reflection (113); Melanie
(119); Radiation (131); Angelus (132)

R1M: Medium red, violet-red and rose selfs.
Mulberry Rose (25); Christabel (68); Rose Splen-
dor (147)

R1D: Dark red, orange-red and violet-red selfs.
Bryce Canyon (6); Solid Mahogany (22); Ranger
(30); Garden Glory (32); Casa Morena (33);
The Red Douglas (62); Cordovan (70); Red Valor
(72); Captain Wells (74); Garden Flame (128);
Redward (150)

R3: Red and purple bitones.
Junaluska (91); Mexico (93); Lighthouse (121);
Louvois (144)

R5: Red, rose, pink, violet-red; purple and orange-red
blends.
Grand Canyon (37); Easter Bonnett (59); Three
Oaks (76); Remembrance (85); Tea Rose (110);
Majenica (112); Carousel (143)

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SAM CALDWELL JOINS C. B. S.

Thousands of gardeners throughout these United States have long been accustomed to turn on their radios each Saturday morning and listen to a program called "The Garden Gate." It is a listener's program, with questions from the radio audience and for many years the answers have been supplied by Thomas A. Williams, known everywhere as "The Old Dirt Dobber."

On December 2, 1949, the audience was shocked to hear of Mr. Williams' sudden passing and the first part of the program was dedicated to his memory. Then the announcer told his audience that they were fortunate that day to have as their guest none other than your erstwhile editor, Sam Caldwell.

That Sam could step into the breach and conduct a gardening program of national scope came as no surprise to those of us who knew him well. His background of knowledge is ideal. As an undergraduate in Vanderbilt University, Sam specialized in journalism. He graduated from the School of Law in 1932.

Sam has always had two hobbies—photography and gardening. Characteristic of him, he set out to learn as much about each as possible. Sufficient it is to say that he is now recognized as one of the country's leading amateur photographers, and having progressed through the field of magazine writing, he is now doing a radio program for Columbia Broadcasting Company carried to the entire country through a hundred and eighty stations. Knowing Sam, confidentially we expect his fan mail to soon rival that of Arthur Godfrey and Frank Sinatra!

We will not lose Sam entirely. He remains on the Bulletin staff as Photographic Editor and will still be Chairman of the Slides Committee. Though mindful of our great loss the Bulletin wishes Sam Caldwell Godspeed up the road to Fame and Fortune.—G. D.



EDITOR—COMMENTATOR CALDWELL MEASURES HUSKY AMARYLLIS FOLIAGE

*Use of the Native Pacific Coast Irises In Northwest Gardens**

DR. MATTHEW C. RIDDLE, (Ore.)

The states of Oregon and Washington have growing in the wild state a great variety of iris species which are adaptable to garden culture. Many of these are of exceptional beauty. The great iris authority, W. R. Dykes, chose one of them—*Iris tenax*—to illustrate his "Handbook of Garden Iris." This beautiful iris appears on the cover of his book. *Iris tenax* may be found growing by the roadside and in fields over the western parts of both Washington and Oregon. It is found in a wide variety of colors and patterns—blue, purple and wine colors marked with veins and dots with a yellow or white signal patch. Rarely, beautiful albino forms can be found, white with a yellow or white signal patch. In a restricted area in the Willamete Valley a variant, *Iris gormani*, is found which is identical to *Iris tenax*, but is a soft yellow color. *Iris tenax* may be readily transplanted when in bloom if care is taken to keep the roots damp. Like all wild plants, it resents moving and will sulk for a season after transplanting. As transplanting may be done while in bloom, selection for color and form of wild growing plants may be accomplished. *Iris tenax* is deciduous in habit, the leaves drying in the winter to reappear early in March. Established clumps brighten the garden in April and May with dozens of bright flowers. This iris prefers lightly shaded or open exposure, slightly acid, rich, loose, loamy soil and a situation where it will be undisturbed year after year. It makes a fine plant for rock gardens, low borders and beds. The cool, moist climate of the Pacific Northwest to which it is naturally adapted is ideal for its garden use.

Another choice native species is *Iris innominata* which is generally regarded as the most beautiful of all low-growing beardless iris species. This exceptional iris is a rare one growing in a restricted area in wild, mountainous country in Southwest Oregon. Difficult to collect in its wild state, seeds and plants may be obtained from commercial growers in Portland, Seattle and Victoria, or from amateur growers, and collectors. *Iris innominata* is a dwarf compact growing species about 12 inches in height with attractive grasslike foliage which is evergreen. The typical plant has flowers of a beautiful bright golden yellow color, often attractively veined with fine brownish lines. Besides the usual golden color many other bright and beautiful colors are found including blue, azure, purple, pink, brown, and red. This unusual iris grows easily in Western Oregon and Washington in shaded or open situations. As a rock garden plant it is unexcelled as it enjoys well

* Reprinted from the Bulletin, Seattle Iris Society.

drained acid loam soil. It can be transplanted in the fall after the first rains or early in the spring when growth of new roots and leaves begin. Moving of plants can be done when the plant is in bloom, but at the sacrifice of further flowers that season.

Iris douglasiana is another Pacific Coast native adaptable to garden culture. Far more robust in growth with larger flowers, it requires more space in the garden. It is found naturally along the Pacific Occan in Southern Oregon and Northern California. It also has a great variation in colors through the range of white, shades of blue and yellow. The foliage is evergreen and grows to a height of 18 inches to two feet. It blooms freely in suitable locations. Inasmuch as the rhizomes of *I. douglasiana* are larger than those of *I. innominata* or *I. tenax* it can be moved from one location to another with less difficulty.

In addition to these species which are easily adaptable to the gardens of the Pacific Northwest are other native species less easily grown in gardens. There is the rare and dainty pale lavender *I. tenuis* which prefers shade; the interesting *I. chrysophylla*, and *I. bracteata* which requires dry well drained soil and other less easily grown species.

The best and easiest way to obtain plants of these worth-while native iris species is to grow them from seed. The young plants transplant with great ease and from seed, plants can be grown in great numbers. Seed is best sown in the fall in open specially-prepared seed beds. Freezing improves germination which begins in March or April. Seeds are planted about 1/4 inch deep in rows six inches apart. The seed bed should be kept free of weeds. Plants are transplanted best a year after germination in March or April.

Errata

"1949 Awards and Honors"

AIS Bulletin 115

Please turn to your copy of Bulletin 115 for October 1949 and make the following corrections:
page 7

White Christmas (1-49) should read 1-49

Autumn Bloom should read Autumn Brown

page 8

G. W. Holleyman: Holleyman's Blue should read G. W. Holleyman: Holleyman's Blue (Garden name)

Tell Muhlestein: Albright (46-105) should read Tell Muhlestein: Lady Albright (46-105)

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A Study in Appraisal

ELMER A. CLAAR, (Ill.)

Recently I was asked to serve as a member of the Evaluating Committee of the Hemerocallis Society. Correspondence which has circulated between the various members of this committee has done much toward clarifying confused ideas concerning rating various flowers by the point score system, the system of awards used by the several societies and the so called symposia that are being conducted.

It is not my purpose in this paper to go into the reasons why ratings, awards, symposia and the like are necessary except to say that the Hemerocallis Society recognizes that there are too many daylilies being introduced that are similar to, or inferior to existing introductions. That the American Iris Society recognizes this is evident from the fact that recently there has been introduced a fee for registration and, a limit of ten registrations per year* has been placed upon each breeder. Since official recognition of introduction depends upon official registration, this should have the effect of more careful selection on the part of the breeder before registration steps are taken.

The Numerical Plan of Appraisal

The following is a description of the numerical plan and its application and appraisal technique which is embodied in the instructions to the accredited judges of the American Plant Life Society, the American Peony Society and until recently, the American Iris Society. The AIS has discontinued the plan for the time being. The Societies issue an alphabetical list of some 75 to 250 plants and a score sheet such as the form set out below in which a certain number of points

* EDITOR'S NOTE: TEN REGISTRATIONS in any single classification, i.e., T. B. Dwarf, etc.

or a percentage is allowed for each of a number of characteristics of a plant: for example 25% for COLOR, 12% for FORM, etc. The complete schedule is as follows:

The Flower	60 points
Color	25
Texture	5
Form	12
Fragrance	3
Substance	15

The Stalk	25 Points
Branch Balance	9
Strength	8
Number of Buds	8
The Plant	15 Points
Foliage	5
Vigor, Hardiness	5
Floriferousness	5
Total	100

The judge then compares the twelve features of each plant, of the 75 to 250 plants, gives each feature a rating by adding or subtracting the points until he has a total, and this figure represents the relative value or rating of the plant by comparison with all of the other plants of this given kind. In fact, it is not even this concrete because from the instructions, some judges compare the plant with a plant which is ideal in each particular feature so that they are comparing it with a theoretical flower, perfect in all of its parts, that exists nowhere in the world.

Assume that a judge comes to the conclusion that a plant rates 80. This is the number which places it in its proper niche relative to some thousands of other irises, peonies, or daylilies. The judge has some 75 to 250 plants per year to place in their proper niches. Of course, this is an impossible task for the judges and the results show it. The American Iris Society used to avoid some of the difficulties by ignoring all but the Tall Bearded Irises; for example, they ignored the Bulbous, the Pseudo Regelia and Oncocyclus, the Evansias or Crested, the Sibericas, the Spurias, the Californians, the Louisianas and the Japanese. They also avoid some problems by ignoring the Early, Intermediate, Table and all of the small irises. Apparently what they want is bigger and better Tall Bearded Irises for garden plants and nothing else. The American Peony Society rates the Chinese variety for show purposes and ignores the species hybrids and tree peonies.

One cannot help noting, under the plan, that the irises which had an established rating are all very close numerically one to another. Under the old rating plan, I found some very highly-rated irises not very hardy in my garden, some that were shy bloomers, some that were slow growers and some that faded too quickly. I found some very highly-rated peonies that would seldom bloom for me, some that bloomed not at all; some had weak stems, and some faded quickly in the sun.

As a matter of fact, in the point score system as used, a completely wrong approach is made in appraising. The first thing to do is to determine how the plant is to be used. Having done this, I would

not add up points to appraise a plant. Remember, any appraisal is a comparison for a given purpose. Our purpose in appraising is to determine the value of a given plant for use as a garden perennial. It is my contention that IF A FLOWER EMPHATICALLY LACKS ANY ONE IMPORTANT CHARACTERISTIC AFFECTING THE FUNDAMENTAL PURPOSE FOR WHICH IT IS TO BE USED, I THINK IT SHOULD BE RATED VERY, VERY LOW. If it is to be used as a perennial in my garden some of these characteristics would be: hardiness, vigor, substance, clarity of color, floriferousness, branch balance, form of flower, proportion and attractive foliage. Obviously, if a plant isn't hardy, it is of no value at all for my garden and to deduct 5% for lack of hardiness is rather fanciful. If it has a very poor color but is good otherwise, should I merely deduct 25 points or add nothing, with 75 as the result? If it has a poor color, it is a farce to consider the plant further as a garden flower when we have so many good ones. I also would emphasize that one can have a perfect assembly of physical parts in a woman, a man, or a plant, and not have a beautiful or even attractive person or plant.

AIS Symposium Method

The American Iris Society has discontinued the point system and has substituted nothing in its place so far as I can see, but now instructs its judges to use this method: The judges receive a long alphabetical list of irises and are told to rate them in the following manner: The 20 rated highest are marked "A" and given a value of 10; the next 20 are marked "B" and given a value of 9; the next 20 are marked "C" and given a value of 8, etc., up to 100, and the results are collected, tabulated and published as a symposium of the 100 best irises. For example, in the vote of the 1948 symposium, the following irises were selected as the 100 best, in the order named:

- | | | |
|---|-------------------|-----------------|
| 1. Ola Kala | 4. Bryce Canyon | 7. Sable |
| 2. Great Lakes | 5. Helen McGregor | 8. Elmohr |
| 3. Chivalry | 6. Blue Rhythm | 9. Blue Shimmer |
| 10. Master Charles and 11 to 100, as per the American Iris Society. | | |

This plan is mathematically unbalanced because a small number of the judges could place some particular plant near the top of the symposium by concentrating a very high vote on it. Mr. Robert E. Allen's suggestion of a balanced symposium in the BULLETIN of the American Iris Society of April, 1949, will do much to adjust this weakness.

Let us examine the 1948 iris symposium. The first white is Snow Flurry, No. 16. Snow Flurry is a blue-white. The next is New Snow, No. 26. I presume, therefore, that New Snow, being 10 flowers removed from Snow Flurry, is 10 flowers inferior. Amandine is No. 17. The next flower which is comparable is Desert Song, No. 88. Is Amandine

71 flowers better than Desert Song? There is nothing comparable to Wabash No. 11, until you get to Extravaganza, which is No. 46. Dear old Gudrun, the best selling and most sought after inexpensive white in America, is No. 79. The Admiral, the highest rating best medium blue, is No. 25. Rocket, the highest rating orange, is No. 38; Pink Cameo, the highest rating pink, is No. 22 (Mulberry Rose is not pink); Ranger, the first red, is No. 23.

If you asked any judge for the 10 best irises, he would never recommend the first 10 in this symposium. If he did, your purchase would be entirely unbalanced. You would have five blues, with an average cost of \$20 or over. You also would have two purples but no whites, reds, creams, yellows (assuming that Ola Kala is orange-yellow), browns, pinks, etc. Unbalanced? Certainly. If you said you wanted 20 of the best irises, no judge would recommend the first 20 as there would be practically no whites, reds or oranges, etc., among the 20.

Criticism of the symposium plan offered the judges of the American Society is that it does not offer anything concrete with which a judge can make comparison. As a result, there are various judges trying to work it out with different ideas, and as Dr. E. L. Clark's article in the April, 1949 BULLETIN of the American Iris Society states "It is strange (and sad) that difference in rating tendencies of individual judges should be twice as great in making for differences as are the irises themselves." Dr. Clark ends up his article by stating that he is quite discouraged with what we have been able to do.

The iris symposium does not answer the questions in which the public is most interested. The 100 best irises would cost \$500 to \$600. The group is entirely unbalanced.

The 100 best irises are interesting to collectors, hybridizers or wealthy enthusiasts but certainly do not do much, without considerable further study, for the beginner or the person with a limited budget who wants to get some good irises. Isn't this person entitled to have the official stamp of the judges on good but inexpensive plants?

The Hemerocallis Society has not as yet formulated a plan but it is leaning toward the American Iris Society symposium plan; therefore, I have spent a considerable amount of time on the study of the plans used by the Iris Society.

The 1948 Chairman of the Evaluation Committee of the Hemerocallis Society, Mr. Ralph Schroeder, sent a list of daylilies to the membership, with instructions to select the best 10, and in 1949, Mr. Wilmer B. Flory, the Chairman, sent me an alphabetical list of 248 daylilies to be evaluated. Mr. Schroeder's list of the best 10 was printed in the Hemerocallis Society 1949 Yearbook. He received 144 answers from 34 states and Canada. Over 600 varieties were mentioned in the answers

and he lists 133 as having 8 votes or over for the first 10, with Hesperus first; Hyperion second; Patricia third; Painted Lady, fourth; Ophir fifth; Caballero sixth; Persian Princess seventh; Pink Charm eighth; Royal Ruby ninth; Dauntless tenth, etc., up to 103, with ties, accounting for 133 daylilies.

Now, let us examine the Hemerocallis Society poll of the 10 best offered by Mr. Schroeder in 1948. The first orange hemerocallis is Valiant, No. 18, and the next is Naranja, No. 78. The first intermediate Winsome, is No. 83, being 82 plants removed from No. 1, Hesperus. In my affections, Winsome is No. 1, as an established plant in its blooming season and color class, and it also is inexpensive.

If anyone were asked to select the 10 best daylilies, I do not think he would recommend the first 10 in the Hemerocallis Society symposium of the 10 best for 1949 for this symposium does not have any eyed varieties, any crimsons or oranges, or any early, intermediate or late bloomers. If you asked any daylily collector for the 20 best daylilies, I do not think he would select the first 20 mentioned for if he did, he would duplicate many colors and omit some others.

The symposium, at best, is not very helpful, and certainly not to the people who most need help, and at the worst, it is confusing. It tells you nothing about the color, the blooming season, or the price of the plant.

Let us look at the interest of the membership and the public in these plants. I will try to get down to fundamentals whether they be irises, daylilies or what-not. A person who is or who could be interested in a certain kind of flower usually asks this question: "What are the names of 2, 5, 10 or 100 good varieties?" You cannot answer this question until you ask him some questions. Here, I believe, are the most important questions that you must ask:

1. *What is your primary purpose in wanting to acquire the plant in question?*

The widest use of hems and iris is in the perennial garden, so let us appraise them from this point of view, first.

2. *"When do you want them to bloom?"*

In Illinois, we have early, intermediate, summer and fall bloomers.

3. *"What color do you want?"*

We must consider many things in comparing plants but color is the most important part of the flower. The scale formerly used by the American Iris Society gave 60 points for the flower, 25 for the stalk, and 15 for the plant. Color of the flower is 25, while the next feature of the flower, sub-

stance, is allotted only 15 points. The other plant societies do it in a similar way.

4. "*How much do you want to spend?*"

- (a) Most popular and reliable moderately priced (standard)
- (b) Most popular and reliable irrespective of price
- (c) Newcomers, novelties or on trial

I believe we can supply our judges with a method of evaluation which they can apply intelligently, with ease, and give the membership and the public an answer to the last three questions.

Our objective is to give the judges a relatively simple and concrete standard of measurement which they can apply. Instead of offering them 100 to 248 varieties to compare with some abstract plant, why not divide the plants according to the various *blooming periods*, and then divide them into *color classes* and *price classes* by selecting one or more *standard* daylilies (or irises, etc.), as standard. This standard plant must be a good, well balanced garden variety, which has no markedly objectionable features, and which is widely distributed and, therefore, inexpensive. Then compare the other introductions with this plant. In making such a comparison, we should never lose sight of the three most important divisions—blooming season, color and price.

There are people who grow irises or hemerocallis for other purposes than as a garden perennial. I have in mind one of my daylily seedlings which has been named Chameleon. This clone produces a large number of offshoots and would be a joy to the commercial grower due to the number of plants available for sale in a given length of time. It is obvious then, that we must keep in mind clearly the purpose for which the flower might be wanted. Here are some of the more obvious reasons why a person might be interested in an iris or a daylily:

1. Hybridizing; 2. Naturalizing; 3. To sell for profit—As cut flowers, bouquets, boutonnieres, corsages, roots, seeds, etc.; 4. For the showroom; 5. The Chinese use daylilies for food, and if my taxes keep mounting, I shall have to consider this very seriously or stop eating; 6. As specimen plants.

You and our judges no doubt can enlarge upon this list and set out numerous examples.

The idea of color comparison is not original with me. I am just trying to persuade our Society to do what some of our foremost Iris and Peony Society judges and members have made quite plain is the logical approach. Mr. Junius Fishburn who was formerly treasurer of the A.I.S., a man who perhaps has the largest collection of bearded irises of anyone and who has travelled 10,000 miles in one year inspecting irises, discussed them in the April, 1939 BULLETIN of the American Iris Society. He discussed them from three points of view: (1) Geographical; (2)

Varietal notes listed alphabetically; and (3) Discussions by color groups, using the color groups that Mr. Robert Schreiner uses in his catalog. Under color groups he picks out the best in each given class. This is one of the most helpful articles on bearded irises that I have ever seen. I believe he improved on this in 1941 when he subdivided his color groups into novelties which are expensive and inexpensive but good irises.

Robert Schreiner's catalog has always been a favorite with me. He divides his irises into groups distinguished by their dates of bloom. In the second part of his catalog, the irises are grouped according to their color classes, with data about each variety.

Mr. Roy G. Gayle, former regional vice-president of the American Iris Society and Chief Peony Tester for the Men's Garden Clubs of America, in the last issue of the American Peony Society Bulletin writes about his All American Collection of 100 Varieties of Peonies. He started to list the highest rated varieties, with the result that the type and color range was "sadly out of balance," so he ended up with selecting various types; i.e., doubles, semi-double, decorative, singles and Japanese, and subdivided these in the various color classes. This is a step in the right direction.

Practically every iris and peony catalog uses an alphabetical list but also has a table showing the color classes of the various types of plants. From this, you can check back and find such other information about the individual plant as may interest you. Why not go direct in the matter? The Oberlin Peony Garden lists peonies under blooming period and color classes.

Dr. Franklin Cook in "The Iris, an Ideal Hardy Perennial" sets out selected varieties of tall bearded irises for garden color and he subdivides them as to height. Dr. Cook also recognizes the dwarfs, intermediates, bulbous, Siberians, Spurias, and Louisiana hybrids, but he leaves out the Japs.

The American Iris Society, after voting on the alphabetical list of irises, divides them into color classes. Have pity on our judges and do this first! The Hemerocallis Society should start with a system which is concrete and simple for the judges and which will tell the membership which daylilies are the best in each blooming season, color class, and price group.

I think the color system is simpler for the judges, and better for the public than the present point score or syposium system. It will be a simple matter to devise a chart that will show the various color classes, seasons of bloom, and with a grand division which will divide the novelties from the moderately priced varieties well within the financial reach of the average member of our societies.

Five Thousand Irisarians Give a Rising Vote of Thanks to

CHARLES E. F. GERSDORFF

If you are fortunate and own a copy of Bulletin No. 22 on page 44 you will find the following:

"1926 Introductions and Registrations (With Corrections) Bulletin 8, the supplement thereto, Bulletin 14, 18, and the following list should contain all introductions and registrations up to December 31st, 1926. Members are requested to notify Chas. E. F. Gersdorff, 1825 No. Capitol Street, Washington, D.C., of any errors or additions." In these few and simple words are heralded a career of service to an idea unequalled in modern horticultural records.

The first "Alphabetical Check List" was reprinted by the American Iris Society from "Standardized Plant Names" in October, 1923. This was quickly followed in December of the same year by the Society's first Supplement. Bulletin No. 18, in January 1925, began the list of yearly registrations and also contained the Official "White" list and "Black" list, the latter described as "Tall Bearded varieties considered as unworthy of further propagation. All members should refrain from assisting in their dissemination, whether by purchase, by sale, by exchange, or by gift."

Such was the status of the feeble efforts of the young society when "Charlie" appeared on the scene. The American Iris Society was in its infancy, a Hemerocallis Society unheard of. Organized effort toward straightening out plant names had been undertaken by a so-called "congress" for that purpose and Standardized Plant Names was the result. But to the budding young society interested in iris this was not enough. Led by a man with an idea, it undertook to set up a system of world registration for iris.

There were two angles to this work. First, every bit of available information had to be gathered, every mention of a recognized name had to be recorded. This was undertaken by Ethel Anson S. Peckham and culminated in the publication of the 1929 Iris Check List which



was followed in 1940 by the Alphabetical Iris Check List, 1939.

The second feature referred to above was the establishment of a centralized office for world registration of new iris varieties and a standardized set of rules of procedure. This was accomplished by Mr. Gersdorff, and the address 1825 North Capitol Street, on letters written in green ink became well known in every country where the culture of iris was part of its horticultural pursuits.

From 1926 through 1949 the policies of registration rested squarely upon the stalwart shoulders of Charlie Gersdorff. His responsibilities included rules of classification, and, his word was law. Seldom does anyone find a case where seemingly all responsibility was vested in one individual, especially in such an important matter. And less often does one find such signal success attained by anyone in the furtherance of such a responsibility. Through diligence, perseverance and an indomitable will to succeed, he has achieved what no other single flower society has ever done. Iris records are complete. Non-cooperation is negligible.

For twenty-five consecutive years Chas. E. F. Gersdorff has served the A.I.S. After a quarter of a century the Board of Directors has regretfully accepted his resignation. The Bulletin and the members of the American Iris Society salute a faithful and successful servant, Charles E. F. Gersdorff.

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REGION 18 HONORS FATHER DAVID KINISH

In recognition of his outstanding work in promoting the affairs of the Society in general, and more particularly for his great contribution in making Region 18 one of the most progressive regions in the country, the members of Region 18 have presented Father David Kinish a Life Membership in the AIS. Father Kinish (center) is shown receiving the membership card from W. F. Scott (left) and Carl Schirmer (right).

THE FUTURE OF DWARF IRISES*

WALTER WELCH, (Ind.)

What will the Dwarfs of the future be like? Will they have a future of any consequence, or will they continue to be ignored by the great mass of gardeners because they are undeveloped and restricted in color range, are of poor quality and form, their inherent attributes unsung and unrecognized? The answer to these questions rests with the members and officers of the American Iris Society.

Picture, if you can, the plight of the Tall Bearded if all of our present varieties had descended from just one species, even though millions of seedlings have been raised in recent years. Also try to imagine them without the benefits of a judging system or rating score, a range of awards or symposium. The Dwarfs are laboring under all of these handicaps.

Of the several hundred varieties of the past, less than 200 are now in existence or available. However practically all of these are on display here at the Dwarf Iris Test Garden at Middlebury, Ind. Of these, the overwhelming majority are merely forms of the species *chamaeiris*. To my knowledge there are only 8 varieties containing *pumila* blood, these are crosses of *chamaeiris* X *pumila* and comprise the varieties: *Atroviolacea*, *Azurea*, *Coerulea*, *Cyanea*, *Biflora*, *Macrocarpa*, *Alinda*, and *Violet Gem*, the last two of very recent origin.

Ten years ago Paul Cook gave us two varieties from *chamaeiris* X *arenaria*, *Tampa* and *Keepsake*, and more recently Mr. H. M. Hill produced four varieties from *chamaeiris* x *arenaria*. These are *Bronya*, *Mist O' Pink*, *Tiny Treasure* and *Cream Tart*. One older variety *Ylo*, by Grace Sturtevant has been identified as an *arenaria* Hybrid, all other Dwarfs apparently are simply forms of *chamaeiris* with the exception of a very small number of *reichenbachii* and *olbiensis* derivatives such as *Reichenbachii Orange* and *Socrates*. All of the *Sass*, *Burchfield* and *Freyer* varieties and the available *Caparne* Dwarfs are *chamaeiris* derivatives. There are no *mellita* or *rubromarginata* hybrids and no hybrids of *pumila* x *arenaria*. What a Pandora's Box of jewels is awaiting some imaginative and progressive hybridizer.

An old catalog of *Caparne* lists quite an extensive range of colors and patterns but most of these have disappeared and until within the last few years Dwarfs were either pale yellows or some shade of purple; only recently, due to the increasing interest of a few hybridizers and the introduction of blood from some of the other species, have new

* The above article is the report submitted to the Board of Directors, Nov. 6th, 1949, by Walter Welch, Chairman of the Committee on Dwarf Irises.

colors and patterns and improvements in form and proportion appeared among the Dwarfs.

New Colors Possible

In my own patch of seedlings I have proven that in the future, we can have everything in the Dwarfs that is now current in the Tall Bearded and **probably** more. Among Paul Cook's and Mr. Hill's arenaria seedlings there have appeared indications of fine red and pink shades; Cook's No. 4300 has excellent pink color. Mr. Cook is working on blues, that rare shade among the Dwarfs, which undoubtedly will come in profusion from his pumila hybrids. Pure whites, amoenas, variegatas, lilac shades, deep yellows and orchid lavenders are already an accomplished fact.

Mr. Walter Marx has shown us what can be done in improving form; his Moon Gleam has that full rounded form, with wide petals, good substance, **flaring** falls and closed domed standards and a new color, not a pale yellow but a true cream self, beard and all. His Heather-bloom is a rich red and yellow blend of excellent color and form, also he has introduced some Hermione blood into the Dwarfs and given us Beauty Spot, one of those colorful gems that will convince the most stubborn pessimist.

When you see such varieties as these and Tiny Tony, Pink Mauve, Wee Admiral and others, as well as numerous promising seedlings and note the increasing number of breeders and growers, you realize that a new day for the Dwarfs is at hand. Now that the breeders are launched upon this program of improvement and are getting some spectacular results, where do we go from here? There must be an incentive to further effort, a reward, an opportunity to have them appraised and a means of distribution. The public must be informed, our judges must have a standard to judge by, and a means of indicating the superior varieties.

With this in view I would like to bring to your attention two suggestions for improving the status of the Dwarfs. One concerns the matter of awards and the other pertains to judging Dwarfs.

In the matter of awards under the prevailing system, in a sense the Dwarfs have to compete with the Tall Bearded and as anyone can understand this is an impossible situation. As a matter of fact, the Dwarfs are so very different from the Talls in so many respects, that they should not be compared to them in making ratings or voting for awards. To even think of a Dwarf receiving the Dykes Medal under the present system is implausible, and the possibility of an Award of Merit is merely wishful thinking. I have no exact data on the number of Honorable Mention awards in the Dwarfs but in all of the years that the H.M. has been available only a few have gone to the Dwarfs.

At the present time very few judges travel around to see the Dwarfs, available collections are scarce and far apart and their distribution is in no way comparable to that of the Tall Bearded Iris. The difficulty of securing enough votes for an award under these conditions is obviously very great.

New Awards for Dwarf Irises

My suggestion is an entirely separate set of awards for the Dwarfs, including a Highly Commended for unintroducted seedlings, with five votes; an Honorable Mention for registered varieties, with five votes; eliminating the Award of Merit entirely and introducing a new award, which will be the highest and equivalent to the Dykes for a Dwarf, to be called the "Caparne Award," and this with seven votes.

The reason for eliminating the Award of Merit, is that with the handicaps involved, no Dwarf could conceivably run such a gamut of appraisals, to be eligible for the highest award. The reason I mention Caparne for this highest award is because he is really the father of Dwarfs, being the first of any consequence to collect and hybridize them and offer named varieties to the general public in quantity. It is fitting that he should be so honored.

As a further means of publicizing the Dwarfs and appraising the members of the relative popularity and worth of the outstanding varieties, there should be a separate Symposium for Dwarfs. And as you are aware, a variety to be eligible for a Symposium must have an award. Even with this restricted range of awards and the minimum votes required for them, it is going to require the active co-operation of the Judges to make it successful.

Concerning the next suggestion, the matter of judging Dwarf iris, I consider the point system, regardless of its previous failures, as being the obvious solution of the problem. And also in conjunction with this, a very flexible sort of Standard of Perfection.

Notwithstanding all of the criticism directed at the point system of rating, I contend that the fault is not with the system but with the Judges. The practice of not requiring the judges to submit a detailed score card but allowing them to present their assumed total of points, encouraged carelessness or snap judgments or biased opinions or whatever you wish to call it. Judges simply aren't willing to take the necessary time during the blooming season to rate iris carefully, and ratings from memory are of little value.

The flexible Standard of Perfection is necessary because in the Dwarfs there are certain characteristics that have to be arbitrarily designated, such as season of bloom, number of the terminal buds (to replace branching), a range of heights with limitations and an ideal established or determined.

These specifications must as far as possible conform to the requirements of the Classification of Dwarf Bearded Iris. I say as far as possible, because here we are dealing with Dwarfs on a basis of garden groupings, whereas the classification is based for the most part on taxonomy and cytology. An illustration of this is the arenaria hybrids, which in a garden grouping are considered as Dwarfs but under the classification would be placed under the heading of Pogoregelia Hybrids.

It is not my intention to recommend that we return to the numerical system of scoring iris. My purpose in using the scale of points is to designate the value of the various characteristics, for consideration of the judges as a means of informing them of the differential, as compared to the other classes of iris. A careful study of these values will determine for them the relative importance of the various characteristics and enable them to intelligently evaluate their quality.

Having grown and studied the Dwarf Iris for several years and having access to practically all of the known varieties and species available and still conscious of the potential field for improvement and change in this undeveloped class of iris, I venture to offer the following scale of points and characteristics, for your approval.

Scale of Points

Flower—50 points.

Color—20

Form—15 (wide petals, flaring falls, horizontal preferred as it is viewed from above, tucked or recurved falls cut heavily. Domed standards preferred.)

Fragrance—3

Substance and texture—7

Proportion—5 (not too large, in proportion to plant.)

* * * * *

Stalk—20 points

Height—10 (Around 6 inches ideal, 4 to 8 in., normal, over 12 in. disqualified.)

Terminal Buds—5 (No branching, 1 to 3 terminal buds.)

Stem—5 (Neat, slim, spathe valves inconspicuous, not heavy.)

* * * * *

Plant—10 points.

Foliage—5 (Neat, rather slender, well below flower.

Vigor Hardiness—5 (Good increaser, regular bloomer.)

* * * * *

Season—20 points.

Earliness—15 (Earliness emphasized, well before Intermediate season.)

Duration—5 (Clump should bloom 2 weeks.)

As you can plainly see the judging of Dwarfs is in no way related to the standards for Tall Bearded and therefore the basis and requirements for Tall Bearded is entirely inadequate for the Dwarfs.

Form of flower is of high importance here. The fact that the Dwarfs are so diminutive that you view them from above, makes it almost imperative that the falls be flaring and preferably horizontal, otherwise they are hiding their light under a bushel. Also the dominant tendency of all of our varieties is to tuck their falls under, and to have narrow hafts and petals. This trait has to be heavily penalized as improvement in this obvious fault is only a matter for development.

As to open standards, of which the arenaria hybrids are a shining example, it is considered best to not make an issue of that, as some flexibility should be allowed for personal taste.

The proportion of the flower to the plant is also of much importance in the Dwarfs. The Tall Bearded enthusiasts invariably have a tendency to prefer the larger blooms, especially until they become accustomed to the delicate symmetry to be found in the well balanced varieties. A large bloom on a tiny Dwarf is a monstrosity.

There is a certain linkage between earliness and height. It takes time to attain stature. Early blooming is the most important characteristic of the Dwarfs and their chief reason for a place in the garden. That is the reason for giving season of bloom 20 points. From records over several seasons in this vicinity, it is found that the true Dwarfs begin their season of blooming sometime during the month of April. Occasionally the *pumila* species and of course the *chamaeiris* varieties will often extend their season of bloom well into the month of May, sometimes overlapping into the Intermediate season, but almost invariably I have found that unless the season is backward and late, these varieties will begin their blooming season in April. Naturally adjustments will have to be made to conform to climate and location.

The Dwarfs ever have to contend with that anonymous group of nondescript Pygmies which the dealers insist on listing with the Dwarfs and also those later blooming advanced generation discards from the Intermediate classes, such as Laddie Boy, Gorgeous, Snow Maiden, and even Table Iris such as Ariel, Hobo and Pee Wee. To overcome this infringement and to encourage smaller size with its attendant earliness, it is necessary to put some limitations on the season of bloom and also the height.

To a certain degree, season and heights are somewhat synonymous, the diminutive varieties always blooming early and the taller ones later, which indicates that it takes a longer time to grow a taller plant. Given a few warm days, *Pumila* will send up its bloom stalk just as soon as the frost is out of the ground, but the taller *chamaeiris* varieties will

grow quite a large size plant with much foliage before it blooms. As earliness is the most desirable habit, naturally we have to prefer those varieties which are lower in stature. Normally I have found that to grow a plant 12 inches or over, places its blooming season well into May. Besides, some of the apparent late Dwarfs are not true Dwarfs. This makes it necessary to place a limitation on the height of the plant.

I can readily see that there will be some objection to various items in this proposal, especially the limitation of season and heights. If this were a classification of Horticultural varieties, I would emphatically oppose such a plan, but this is a schedule for determining the degree of perfection of a variety. A 12 inch maximum disqualification does not imply that such a variety is not a Dwarf, but it does establish a preconceived idea of the perfect Dwarf or an ideal. It places limitations upon its eligibility for an award. Considering the Dwarf's innate habit of growth and the desirability for earliness and diminutiveness, this limitation on height will emphasize the importance of this characteristic. A judge should be able to determine whether growing conditions, soil and culture are responsible for an oversize plant.

The same thing applies to season of bloom; a variety may start blooming on May 15 or with the Intermediates and still classify as a Dwarf but this should be discouraged.

I know that some will hold that it is desirable to produce the greatest diversity of acceptable form, color, season and height; with Tall Bearded I will agree and for the Dwarfs I will accede to all except season and height. The Dwarfs are in a unique position. They can claim a place in the spotlight only during the few early weeks of the spring season and in the absence of competition with their more glamorous and taller relatives. A Dwarf out of season or after the taller iris begin to bloom is in such a disadvantageous position that its qualities will be neutralized.

There is no doubt in my mind that early blooming is of prime importance in the Dwarfs. Some will want them to fill in the gap between Daffodils and Tulips but this is only one phase of their garden value. To the iris lover they prolong the iris season, beginning in North Indiana, the first week in April, connecting and overlapping into the Intermediate Season, and on into the Tall Bearded season, making continuous iris bloom for a period of practically ten weeks.

I do not claim that this plan is the ultimate or that certain alterations may not be desirable, but in the absence of all plans, as is now the case, some action is of the utmost importance.

Why Not Grow More of the . . .

Dwarf Beardless Irises

STEPHEN F. HAMBLIN, (Mass.)

Any gardener who has a fixed idea concerning any group of plants such as the Bearded Irises may suddenly go off on a tangent and become obsessed with another idea such as growing the very dwarf species. This is a normal characteristic, I think, and certainly it has happened with me. The Crested and Dwarf Bearded I understand somewhat, but the truly Dwarf Beardless have long been an unexplored region full of possibilities and interest to me.

Formerly I had no place to grow these little ones, as Siberians make bad bedfellows for tiny species, and grass and weeds soon choke them out. The bog garden is no place for them as rushes, grass and Joepyee smother them. But now I have a steep sand bank of an acre in extent, on which little grows by nature, but in which compost can be buried and the lake will give the needed water. Nearly all the small beardless species ask for summer moisture—a moist rock garden.

Checking through our "Alphabetical Iris Check List" I find 25 species listed, with height a foot or less and no beard to the flowers—so go to it and get them. Only a few are offered as plants in this country, and such seed as is listed seems to grow up to almost any species—usually plain Siberian. It takes more time to exchange for seeds from Kew or Edinburgh, but for many species this is the safe way. Of this known list of little beardless species, what have we?

Of this long list my first love is Vernal Iris (*I. verna*) from our Kentucky hills. It is perfectly easy to grow along with its sister Crested Iris. It stays in a tight clump and its foliage is nearly evergreen. In May it has Siberian flowers close to the ground, lavender-violet with vivid orange throat, an iris trying to be a Crocus. Seed seems rare, but seedlings show color variations. In nature it is variable and some of its variants are procurable at much less than a dollar. Can I continue to clutch tightly my purse on reading of Mrs. Henry's \$5-10 findings, Vernal Night, Vernal Dawn, Vernal Snow, etc., (seven of them)? For a normal rock garden they are as permanent an investment as a Tall Bearded in the border.

Two other natives I have. Cubeseed Iris (*I. prismatica*) used to be common in the open bogs of Cape Cod—now all cranberries. Until there are flowers the plant is hidden by the similar foliage of bog grasses and rushes. And so in June we have little Siberian flowers, lilac in color, in the grass of wet meadows. The rhizomes are very slender



IRIS PRISMATICA var. TULLAHOMA has grass-like foliage and slender stems. In the photo above the flowers are natural size. (Caldwell photo)

and with difficulty separated from the roots of the bog grasses. The capsules are very sharply angular. Every flower produces a capsule, so I am well started on this species. But there is some color variation in nature and in our gardens. An albino form is known and Georgian Bay is offered as amethyst in color. The plant is related to Siberian, but the stem is not wholly hollow, but partly filled with pith. To me this native is just as effective as the famed taller species of western America, and far easier to grow. Its color range is limited at present.

Arctic Iris (*I. setosa*) is a little fellow with short wide leaves in a clump, like *I. verna*. It is found in Japan, Siberia, Alaska, Labrador, etc., and the American form in Labrador and Maine is var. *canadensis* (*I. hookeri* or *I. tricuspis*). This is very easy to grow, with little purple Siberian-like flowers in June, the three standards so small as to be nearly none. There is an albino form from Japan, and geographic varieties are known. Bay Iris (*I. tripetala*) is similar, from Tennessee to the Gulf. Seed and plants are offered, and an albino is known. These two are of interest as the standards are extremely small.

Yunnan Iris (*I. forrestii*) is a tiny yellow Siberian, really dark yellow, at height of a foot or more. It is supposedly in our nurseries, but imported seed is more certain. It is the best dwarf yellow, but often I get *I. wilsoni*, more than twice as tall, pale yellow in color. Both these have made hybrids. Some of the seedlings of the true *I. sibirica* are dwarf, and *I. koreana* is the most dwarf of the Siberian group. All true Siberians have a hollow flower stem.

There is a var. *nana* of *I. laevigata*, listed in old Japanese catalogues. *I. laevigata* itself is more showy than our Blueflag Iris, and as tall a plant, but the tiny form may never have reached this country.

Algerian Iris (*I. unguicularis* or *I. stylosa*) I have had in cold-frames. It is also a near-Crocus from evergreen basal foliage, and blooms in mid-winter, very fragrant. Regretfully I give up trying to grow it in the open in my rock garden.

Russian Iris (*I. ensata*) has a list of synonyms a page long. I am not too desirous of much of it in my rock garden. It forms great clumps of wiry persistent leaves from deep roots, a good breakfast for a cow, and it takes up too much room among its relatives. In May-June there are small violet Siberian flowers scarcely above the center of the mass of leaves. The capsule is very long and narrow, and full of good seeds. The plant will withstand heat, drought and alkali, but much of the year it is a big bunch of green hay. There are geographic variations, named clons and hybrids. The var. *pabularia* is actually used as cattle food in central Asia.

Hyacinth Iris (*I. hyacinthina*) is related, the pale blue flowers veined yellow and brown, with odor of hyacinths, says Farrer. There may

be such a plant, but imported seeds grew to another Russian.

Pilgrim Iris (*I. ruthenica*) is a tiny relative of *I. laevigata*, thus a little sister of our Blueflag, with a large royal purple flower on 8-inch stem. It has been offered in America. The capsules open at once when dry; the seed has a large white appendage. It transplants with difficulty. Though native from Roumania to Korea it is rare in gardens here. There is a form, *nana*, from China, now listed.

Three little species of the *Tenuifolia* section live in central Asia. Their names are *I. tenuifolia*, *I. bungei* and *I. ventricosa*. They are in effect baby Siberians, the stem solid, the leaves narrow, stiff, persisting when dry, like on a dead Grass Pink. Little known in this country.

More species like minute Siberians come out of China, Korea, and Japan. Listed are *I. minuta*, *I. rossi*, *I. henryi* and *I. grijsi*. *I. rossi* is offered with pale blue flowers from a narrow tube. *I. minuta* is fairly common in lists, the flower mostly yellow in color. When not in bloom they are scarcely more than a tuft of Fescue grass. Keep grass away from their clumps.

Our western species, the *Longipetala* and *California* groups, are omitted at present. When well grown they are more than a foot tall, and when not doing well (as often the case when transported to eastern gardens) they are a total loss. Some of them have dwarf forms or hybrids and are permissible in a rock garden. But after one period of grief at trying to grow them in New England I suggest—a) get seeds and grow them the slow but sure way, or b) put your parcel-post plants not in the open ground, but in pots of humus soil and water well in a coldframe for a season.

Some of the *Spuria* species are little plants, with erect wiry grey foliage. Grass Iris (*I. graminea*) is all sorts of things in botany and the garden. Of the true species the flower stem is flattened, the little flowers reddish violet and scented to imitate a ripe plum. Offered, but what have you? *I. farreri* has round flower stems and *I. sintenisi* has evergreen leaves, the white flowers veined blue. *I. urumovi* from the Balkans, *I. humilis* from Caucasus and *I. songarica* of N. China are also little *Spurias*. Keep trying to get them. *I. kerneriana* is a baby yellow *Spuria*.

With the bulbous species we come into the department of spring bulbs. The hardy ones are easily grown in a rock garden. *I. persica* and its kin have little horizontal falls and almost no standards. The narrow leaves grow after the April bloom. The flower effect is of a small purple Crocus that lost half its petals. This is the best for me of the Juno group, but some of the Orchid type (the leafy ones) may be winter hardy on Cape Cod and Long Island.

Lastly we arrive at the Crocus type, little sisters of the Spanish

and English, the flowers arising directly from the bare earth. The corm looks like that of Crocus or a baby Gladiolus, with a netted burlap cover. With *I. reticulata* and its kin there is no trouble at all. Treat them like Crocus and sit back and enjoy them in early April. Up come stemless flowers to three inches, like a Siberian with good standards close to earth in violet, blue or even white. Later there are tall narrow 4-sided leaves, wiry and stiff (usually bent in the middle by the wind), like a strange Sedge. There are a dozen forms and hybrids in this group available, of which Cantab in deep blue is very popular. They are as hardy as Crocus, so try them. There are at least eight more species in this Netted group—*I. histrioides*, *I. winkleri*, *I. winogradowi*, *I. kolpakowskiana*, *I. bakeriana*, *I. histrio* and *I. vartani*. They are beautifully described by Dykes, but I do not see them anywhere. *I. danfordiae* was offered by a dealer, the only Crocus-Iris with yellow flowers. I got foliage last spring, so it is hardy, but it was too exhausted from its long ride from Asia Minor to give any flowers. And so I await April again.

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THEY'RE FABULOUS!

PHILIP G. CORLISS, (Ariz.)

Iris lovers who have been fortunate enough to visit the Los Angeles region during the iris season know that no chamber-of-commerce gilt is needed to describe that quartet of iris hybridizers, Clarence White, Carl Milliken, Eric Nies and Tom Craig. During the 1949 season, while taking the thousands of Kodachrome slides that are included in the sets I rent to clubs, etc., and in the discharge of my duties as a Judge of the A.I.S., it was my great privilege to visit frequently the gardens of these men, and throughout the year to become well acquainted with them. To them and their gardens is attached a glamour of Hollywood proportion, but without false front or backstage disillusion—all are men of great character and true genius.

Tom Craig

Tom Craig is the youngest of the three—a generation younger in fact. His work and gardens have been described in these pages before, so I shall confine myself only to a few remarks which may confirm what has already been told. Not content with covering the entire top of a small mountain close to the heart of Los Angeles, Tom has extended his plantings to large fields in the lowland that lies between Los Angeles and Long Beach. It is truly like a dream to wander through his fields, where seedlings of every conceivable type are growing—and in abundance. I know it sounds incredible, but you must believe me when I tell you that there are entire fields full of pink seedlings, others of plicatas, others of oncobreds, etc. Characteristic of the large scale on which he operates is the fact that Tom and his family live in two large houses on top of the mountain—one house is for sleeping, the other for living! More important than the number of his seedlings, however, is their quality. He has actually hundreds of new things, any one of which would satisfy the life's ambition of hybridizers of average stature.

Clarence White

In the realm of hybrids with oncocyclus blood, Mr. Clarence G. White, of Redlands, stands as a giant among pygmies. Not literally, for he is physically rather a small man. The number of his oncobred iris in commerce probably exceeds that of all other hybridizers combined.

The most fascinating ones, however, are the ones that you who have not visited his gardens will never see. When he showed me some of his Kodachromes, I gasped in sheer amazement at one of the blooms. "What happened to that wonderful thing?" I exclaimed. "Oh," replied Mr. White, "It died. They all die." And he meant it! His three-quarter onco-hybrids often live only long enough to send up one stalk of breath-taking beauty on a small plant, and then die! But to Mr. White, or to anyone else who has been privileged to see these fantastic flowers, the effort is well repaid in that one burst of beauty.

Clarence White also lives on a mountain, and his iris are planted on a steeply terraced slope. He has produced and introduced many fine tall bearded iris, too. His half-onco hybrids are relatively hardy, some of them are actually robust (such as Sheriffa), at least in moderate climates. They run the entire gamut of the iris color range—from oyster white to deepest red-black. Such oncos as Axim, Sardis, Some Love, Baltis, Bedtime, etc., are flourishing in widely scattered gardens of iris lovers who like exotic blooms.

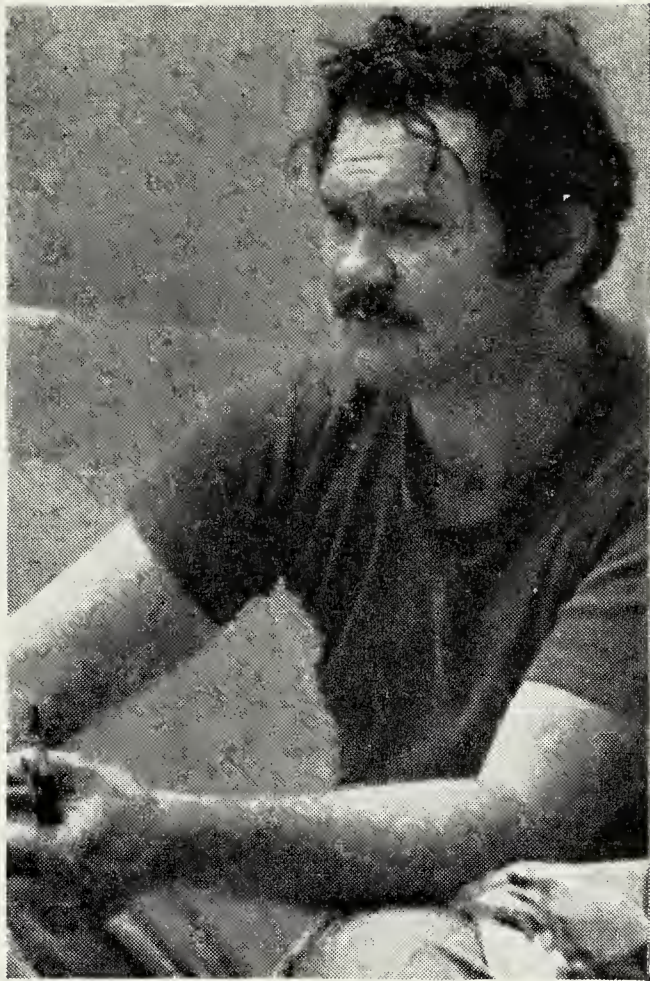
Eric Nies

The man who stands supreme as breeder of Spurias is now president of the Southern California Iris Society. He is Mr. Eric Nies, who lives, appropriately, in Hollywood, a stone's throw from Hollywood Boulevard. In the backyard garden of a typical suburban residence on a typical residential street, Mr. Nies produces his wonderful strains of large-petalled spurias. His huge blue spurias, such as Dutch Defiance, Color Guard, and Morgenstraal are unequalled, while he has pioneered in developing the magnificent brown flowers. The earlier browns, such as Bronzspur and Russet Flame are now joined in commerce by Golden Agate and Two Opals, while many new browns are soon to be introduced. This summer I saw one huge clump of a brown seedling which had no yellow or other color in the flower. The form of this flower is not up to Mr. Nies' requirements and he is using it for breeding purposes only.

Before his retirement, Mr. Nies was a prominent landscape architect, and many of the fabulous estates in the Hollywood environs attest to his genius. Nies introductions are not confined to the Spurias. He has produced some wonderful hybrids of the native types, outstanding among which are Arioso, Amiquita, and Orchid Sprite.

For corsage and flower arrangement work, the new Nies spurias are ideal, and only their relative scarcity limits their use. Spring flower shows in Southern California always include sensational arrangements utilizing the brown spurias with brown foliage, such as Copper Flax, entered by such outstanding amateur arrangers as Nan Wolfe, of Hollywood. They are particularly effective with yellow and brown Hemerocallis, such as Caprice, Minnie, Zouave, Cathedral Towers.

The Bulletin regrets that the likeness of Mr. Milliken could not fill this space to join those of Tom Craig (upper right), Clarence White (lower left) and Eric Nies (lower right).



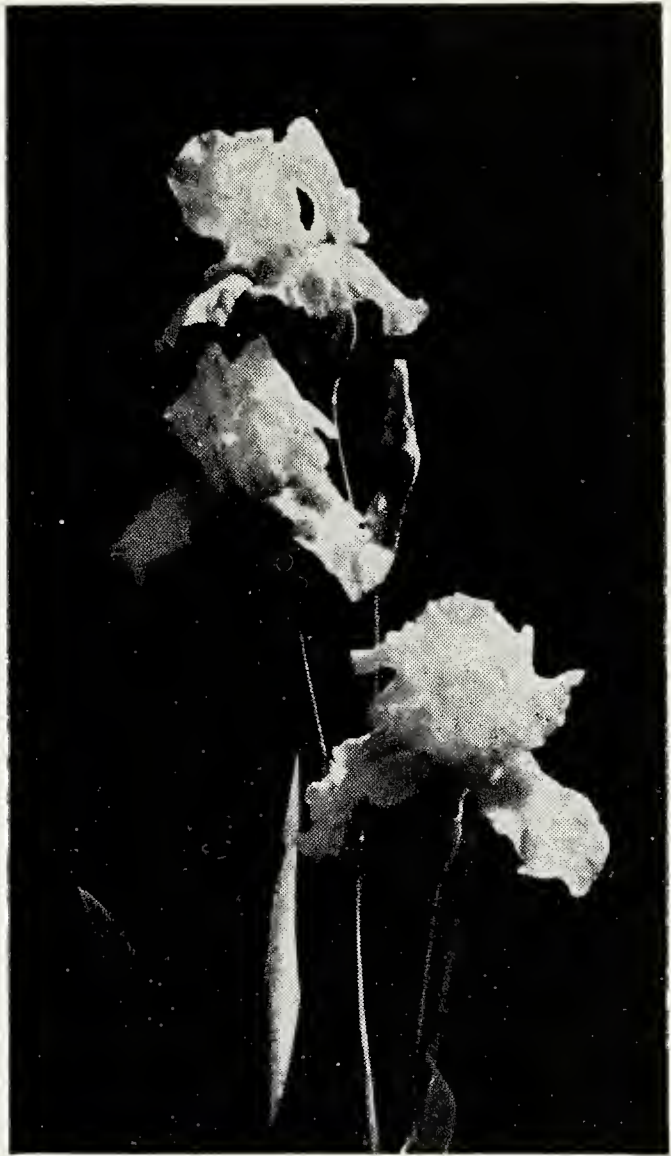
Carl Milliken

Completing this almost mythical picture of Southern California Iris hybridizers is Carl Milliken, of Arcadia. In a way he, with Mr. White and Mr. Nies, represents a trinity, for he has worked with them and introduced most of their things. His own hybridizing has resulted in the introduction of great numbers of the finest iris we have. He has not limited his efforts to any color or type, as witness such well-known varieties as Deep Mahogany, Desert Sands, and China Maid. But there are too many fine Milliken varieties not known to iris growers—such magnificent yellows, for instance, as Grand Marshall, Fort Knox, and the sensational new Arcadia Buttercup.

Not to be overlooked among Mr. Milliken's achievements is the maintenance of a large and magnificent exhibition garden on Highway 66 in Arcadia. This is truly one of the world's most beautiful gardens, and it is to be devoutly hoped that the spread of the city will not force its abandonment. It is across the highway from the Santa Anita race-track directly opposite the park from the grandstand.

Milliken Gardens in Arcadia are exhibition gardens only for most of the plantings are on a twenty acre field some fifteen miles from Arcadia. There are perhaps three acres in the exhibition garden, and I was fortunate enough to photograph it for my loan kodachrome sets at least every ten days during the past iris season. At the west end of the grounds, separating the main garden from the parking lot, is the office and display room, of pleasing design, and with spacious porch with comfortable garden furniture where the visitor may sit and study the catalog while admiring the beautiful gardens which stretch down a gentle slope to the east. There are large areas of lawn, with many winding walks, edged by beds of iris. Although a few beds have only a few clumps of each variety, usually the newest introductions, most of the iris are grown in masses averaging six feet in diameter, which affords perfect realization of the "garden effect" of each variety. The whole garden is landscaped with flowering trees and shrubs, and these form a delightful background for the iris. At the far eastern end of the grounds, at the lowest part, and in the shade of the tallest tree, are to be found huge clumps of many fine Louisiana, Siberian, and Native Iris. The Spurias are not forgotten, either, while here and there are large plantings of Hemerocallis, providing long periods of bloom. One of the most interesting flowers is the crested hybrid, Darjeeling, which is planted in several places in large clumps and which blooms constantly for several months. In short, the Milliken Gardens are the Mecca to which all iris lovers should some day make a pilgrimage.

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SPECIES REPORT FROM BRITISH COLUMBIA

KENNETH M. MCKEE

My standard for rating a species a horticultural success is that it must flower, without making any undue demands on the gardener. Right at the beginning I must confess that I am not an experienced gardener and my observations are limited to only three blooming seasons.

Four years ago I began to garden on a raw stretch of ground, infertile and deficient in humus. The soil is a mixture of sand and clay that packs like a rock in summer. Generally speaking, the soil is still in the same deplorable condition, except for the addition of lime and bone meal for those species suited to this treatment. For all other species I have added humus in the form of decayed tree leaves and sheep manure. My garden is badly neglected in so far as weeding and cultivating are concerned, because I make the mistake of growing far more plants than I take time to care for properly. I mention these unfavorable factors to show how adaptable the Genus *Iris* really is, and in support of the claim that irises in most cases are truly hardy and robust perennials. I do not underestimate some very important natural advantages to growing irises in my location, and I have no doubt they more than offset my own gross horticultural mispractice. First, my ground is frozen all winter with temperatures around zero, and remains covered with a good mantle of snow some two or three feet in thickness. Second, spring comes suddenly which means no severe frosts after the ground thaws.

As a gardener I really started from scratch, and decided to grow irises because I had heard them described as worthless weeds. Thus a mental flaw known as obstinacy rather than any rational intelligence precipitated me into this delightful insanity. On a fine April day I planted my first purchase, a rhizome of the tall bearded variety *Shah Jehan*, using generous quantities of wet peat moss particularly around the rhizome itself, and was rewarded in June by a one stalk wonder in full bloom. Next, I bought a division of *pseudacorus*, planted it in thoroughly limed soil as advised by friendly onlookers, and the plant was in bloom three months later. Then I got some iris books and found that my methods were seriously contrary to sound principles. Dykes really scared me about irises, but I have now found from my own observations that irises are much less exacting and fussy than many writers and catalogs would indicate. Undoubtedly there are proven ways of growing irises that give optimum results, and men like Dykes should be freely consulted for their wisdom, but many liberties can be taken with the rules and splendid results obtained. I am always

hesitant about making definite generalizations on cultural methods, because somebody is almost certain to report complete success with a radically different technique, all of which indicates an amazing tolerance and adjustability of irises to a wide range of conditions.

Orthodox Manner Versus Variable Conditions

When I experiment with species growing, I normally treat one lot of plants in the orthodox manner as a control group, and then vary the environmental condition of the remainder. As a result of such trials I am of the opinion that:

1. The whole Siberian section transplants readily and requires no more than ordinary garden moisture. *Iris devlavayi*, for example, thrives in full sun and is not injured by temperatures approaching 100F., but here it has cool mountain nights which probably accounts for the success.
2. The *Reticulatas* and *Junos* do equally well whether they dry off in the summer or get constant watering.
3. The English, Dutch, and Spanish irises do equally well side by side, in lime or acid soil, and with moisture all summer. I have not yet experimented with the reverse rule that English irises should be grown under moister conditions.
4. The *Juno* irises are much more easily handled in the home garden than some writers have led us to believe. It is true that the fleshy roots should not be broken when the bulbs are dug and reasonable care should be used to prevent damage, but I feel this caution has been overdone to the point where some people are afraid to disturb or divide them.
5. It seems to make no difference whether *missouriensis* and its relatives have a summer rest or not.
6. *Ensata* establishes as quickly and as readily as any other species. In my experience nursery divisions of species are usually under blooming size, while the commercial rhizome of bearded irises is of blooming size, and I do believe this is responsible for the reputation of species being slow to establish. I think a proper division of any iris species is likely to bloom the year after planting providing, the plant is set out at the proper time.
7. Irises are no more demanding of good drainage than other bulbs or perennials as a whole, and require no special attention on this account.

It is sound practice to follow tested rules in growing species of iris, and my list of apparent violations is not offered as a guide, nor is it intended to discredit well known experts, but to substantiate my thesis that irises, are mostly not temperamental things that must have exacting conditions.

On the other hand, I have found Japanese irises very demanding; they do require rich soil and sulk if they are neglected. Regelias and their kindred must have dryness in summer or they will start into premature growth. Having learned these facts the hard way, and wishing to grow these types, I meet their special requirements.

Experiences Summarized

For the sake of a systematic presentation, I will summarize my experiences with the genus under conventional headings, and will include failures with successes to give a balanced account.

A. RETICULATA SECTION: Species and varieties that flower and multiply are: (a) *reticulata*; (b) *Digit*; (c) *Hercules*; (d) *Cantab*; (e) *Wentworth*; (f) *Royal Blue*; (g) *histrioides major*. *Danfordiae* has grown and multiplied in its characteristic way, its bulblets have made good growth when replanted, but as it has failed to bloom outside I think it may be just barely hardy here. As an experiment, I have planted some *reticulata* bulbs in acid soil this fall. After the foliage dies, I dig, divide, and replant immediately, and so far have never encountered the dreaded fungus disease.

B. JUNO SECTION: My experiences agree substantially with those of Mr. McAlevy as recounted in the last bulletin (No. 114), but in my case, presumably because of a later season, the insects have twice been responsible for a good crop of seeds from *bucharica* and *vicaria*. Last year I imported from Holland *graeberiana*, *orchioides* and *willmottiana*, all of which arrived without their roots. *Graeberiana* did not resent the amputations at all, as Mr. McAlevy observes, but the other two reached the bud stage and lacked the strength to flower. I will be interested to see if this year's foliage has strengthened the bulbs sufficiently to produce flowers next spring. I have not tested *sindjarensis* for hardiness but plan to do so.

C. SPURIA SECTION: Neutral soil seems to promote free flowering, but plant vigor is apparently unaffected by acid soil. I am growing *spuria*, *aurea*, *monnieri*, *ochroleuca*, *sintenisii*, *graminea*, and a number of named varieties. Having failed to get blooms on *graminea*, I have moved it to a sunnier location.

D. SIBERIAN SECTION: All of the Siberians will grow in any soil conditions I have tried; *prismatica* even invades couch grass and wins. *Forrestii*, *wilsonii*, *delavayi*, *chrysographes*, *bulleyana* and standard varieties are entirely satisfactory. The hottest days do not affect them in the least, but the nights are always cool, and I believe this to be the explanation of their vigour under such conditions.

E. EVANSIA SECTION: *Gracilipes*, *lacustris*, and *cristata* thrive in half shade and acid soil. The *alba* forms may survive and bloom for a year or two and then languish or die. I believe this is not an un-

common experience. *Milesii* and *tectorum* grow well, bloom and multiply, and each winter the foliage of both species is killed to the ground without harm to the plants. *Milesii* is a big, broad leaved species with small flowers, but it is the longest blooming iris I grow. It is really a fine species, and suffers with some critics just because its flowers are compared to those of *tectorum*, one of the choicest in the iris world. I grow *confusa* and *japonica* in ten inch pots, and in winter keep the soil constantly moist. *Confusa* was planted last fall, and wintered as indicated in a temperature of about fifty degrees, and this summer the plant has grown its bloom stalk for flowering next spring, if all goes well.

Japonica, already established by last fall, flowered this spring (1949, Ed. Note), when wintered under identical conditions. As a result of your earlier inquiry about the hardiness of *Japonica*, this particular plant will spend the coming winter outside, and may Jack Frost have mercy on its soul.

F. CALIFORNIA SECTION: In buying from the Oregon nurseries, I have found that late orders around the middle of May transplant perfectly, but early orders are less satisfactory. I have received plants, that were dug in flower, survived ten or twelve days transportation time, and suffered replanting without apparent shock. I grow successfully *douglasiana*, *watsoniana*, *chrysophilla*, *thompsonii*, *tenax*, *gormanii*, and *innominata*. As an experiment in mobility I have a couple of the smaller kinds growing in cans (four pound honey cans), sunk in the ground. Drainage holes, of course, are provided and the method has been a success. Seeds germinate readily.

G. VINICOLOR, HEXAGONA AND FULVA SECTIONS: Here is where I expose my Achilles' heel, and would seek to hide from the militant iris enthusiasts of lovely Louisiana, if not already committed to an honest report. *Foliosa*, *Dorothea K. Williamson*, and *Fulvala* are superb. Luxuriant growing *viridivinae* gave one bloom stalk from two large three year old clumps. The following are all growing and increasing well, but have not yet bloomed in the three year period under review; *giganticaerulea*, *vinicolor*, *violacae*, *chrysolopha*, *fulva*, *Abbeville* red and yellow, and *Mary S. Debaillon*. I have reset many of them in enriched soil, and will give them some protection this winter to see what happens. I understand the Louisianas do well in more rigorous climates than mine, so it is obvious that I am at fault somewhere, and I have no doubt those splendid iris enthusiasts from Louisiana would point a finger of scorn at my general bad gardening methods to which I must freely admit my guilt.

H. REGELIAS, HYBRIDS AND ONCOCYCLUS SECTION: *Hoogiana*, *stolonifera*, *korolkowi* and their onco hybrids grow, bloom and increase in a limed soil enriched with bone meal. I do find a portion of

See them in bloom!

*Bearded
Kaempferi
Siberian
Spurias
Miniature
Louisiana
Hybrids*



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*Due to lack
 of space all
 descriptions
 had to be
 greatly
 curtailed.
 Full
 descriptions
 in our 1950
 Catalog.*

newly imported rhizomes fail to bloom until the second year. As an experiment I grew a rhizome of *hoogiana* in a four pound honey can and it bloomed from one stalk the first year and two the second, but it was horribly crowded when examined this summer. This method is to be considered when one wishes to remove the plants to a dry place in summer without root disturbance, but I would recommend a more suitable pot for a large species like *hoogiana*. Wooden boxes are very satisfactory. My failure in this section is *susiana* as might be guessed, but my plants did so well in their second year, I have hopes for the next.

I. XIPHIIUM AND XIPHIODES SECTION: Dutch in variety, Spanish (*Cajanur*) and English in variety bloom and increase freely. *Tingitana* blooms as a protected pot plant only.

J. MISCELLANEOUS GROUPS: I have complete success with *pseudacorus* in variety, *virginica*, *versicolor*, *ensata*, *dichotoma*, *foetidissima*, *missouriensis*, *setosa*, and *laevigata* in variety with the exception of the *albopupurea* form which grows well but has not flowered. *Ruthenica* and *verna* have been moved to a new location because of failure to bloom. *Minuta*, a one year old plant, has not bloomed.

K. OTHER SPECIES AND COLLECTED FORMS: *Albicans*, *Madonna*, *chamaeiris*, *cypriana*, *mellita*, *reichenbachii*, *variegata*, *flavissima* and various collected *germanicas* and *pallidas* grow satisfactorily and bloom.

In support of species, I would like to say that apart from the *alba* forms of certain *Evansias* already mentioned, I have lost only four plants of species, namely one rhizome of *Fulva* (winter killed), one of *tripetala* (cause undetermined in summer), one rhizome of *milesii* (cause undetermined in summer) and a spring planted Siberian species which died in the summer. Part of a too early shipment of Californians failed to transplant at all. Every spring I lose some rhizomes of the tall bearded irises from rot caused by melting ice and the slow thawing of the soil which interferes with drainage. I have experienced none of the iris pests or diseases so do not spray, and so far no rodents or moles have found my iris patch of interest. Smoke from a near by smelter kills the top inch or two of all iris leaves, but does not affect flowers, and its sulphur content may control rust, as there never has been a sign of it on plants normally subject to it.

For curiosity's sake, I am trying a few odd species such as the *pseudoregelias*, *nepalensis* and other odds and ends to be found in the genus, but with these my experience is too limited to merit comment as yet. I also grow *Moreas*, *Iris sisyrinchium* and related irids, but I think these are out of bounds for this report.

Again—Progress with the Louisianas

SIDNEY L. CONGER, (La.)

Much has been said lately about the goals of, and the improvements to come, from the breeding program with the Louisiana irises by such authoritative writers as Miss Caroline Dormon, Messrs. Claude Davis, president of the Society for Louisiana Irises, and Joe Richard, past president, in the Symposium with the Louisiana Academy of Science; and Dr. Herbert L. Dozier, principal speaker at the last annual banquet of the Society for Louisiana Irises. Briefly some of these improvements are: simultaneous bloom and floriferousness, better branching and



A vivid signal patch brightens this new DORMON variety—THE KHAN.

placement on the stalk, perpetuation of the crepeing texture and more substance in the bloom, hardiness and adaptability to general gardening conditions.

But so far too little has been said about what has already been accomplished, and about what horticultural varieties now bear these characteristics. The following varieties are but a few that exhibit one or more of these desirable traits:

BAYOU SUNSET (MacMillan, winner of the new Mary Swords Debailon award) is noted for its unparalleled beauty of bloom with a rayed signal patch that is most outstanding. Its floral parts are broad with almost overlapping segments, and it possesses a heavy texture capable of withstanding sun, rain, and even hail.

BRIARWOOD PUNCH (Conger)—This iris exhibits the ability to form a large clump in a small space; floriferousness, and the close proximity of its bloom axils on a long stem are its assets.

CHERRY BOUNCE (Nelson, Ira)—If you want a red iris, you need to look no further! And it has all the substance one wants without being stiff, and its color doesn't fade in the hottest sun.

***CHOWNING HYBRIDS**—These hybrids are from Mr. Frank Chowning of Little Rock, Ark., though only one, ***ACCOLADE**, is now registered. I was amazed at how floriferous this strain is, and their form is excellent. Mr. Chowning attributes the floriferousness of his plants to his almost exclusive use of *foliosa* and *fulva* blood—that gives them hardiness, too. He also has a strain of the largest pure yellow flowers yet produced.

***DELTA TREASURE** (Matthews)—This variety frequently will have three open blooms to the stem at one time, is of heavy texture with overlapping floral parts making it one of the best Abbeville-type yellows in cultivation.

***GAY DECEIVER** (Clark, Mrs. C. C.)—From Shreveport comes this well named iris. It has an almost campanulate form, simultaneous bloom along the stalk, and the color? Coral? Pink? Rose? Well, look again, you'll find something else.

HAILE SELASSIE (McMillan)—This is an old favorite with us by now, but for color, texture, sheen, floriferousness, and excellence of its progeny, it has not been equaled. I have seen four blooms open on one stalk at one time where it is grown well.

JUNE CLOUDS (Dormon, C.)—Miss Dormon has given us a flower that has the widest floral segments and the best form of any white I've seen. If anyone says that the Louisiana group does not possess a good white, they haven't seen this one.

*THE KHAN (Dorman, C.)—What a signal patch! Seeing this flower could not but impress one with the excellent possibilities in developing this characteristic in the Louisianas. This flower has the texture of one of its parents, HAILE SELASSIE, and has proved to be a good bloomer.

LOUISE AUSTIN (Arceneaux, G.)—This is one of the few iris that has true branching for me. It has four and five bloom axils per stalk thus insuring floriferousness. This plant is low in growth—is excellent near a path or border. Its foliosa blood insures its not needing as much water as most Louisianas.

PEGGY MAC (McMillan)—For overlapping floral parts, texture, and simultaneous bloom this Abbeville-type is at the top. Some find its magenta-rose color not to their liking. I have no objection.

*PLUM GOOD (Nelson, Ira)—Another Nelson “super-duper” of dark plum color that does not fade. The contrast between the rich color and the big, bright, signal patch is startling. All this with good texture and simultaneous bloom never ceases to bring praise.

*ROYAL GEM (Smith, Mrs. Alex)—Here’s another contender for the highest honors—a deep red-violet of excellent overlapping form and firm texture, with three and four flowers open on the stalk at one time. It has a stately air about it.

*TRICHEL HYBRIDS—These certainly cannot be ignored. They have served as a challenge to others for years, and will continue to do so for many to come. I mention them as a group though I understand that Caddo, a deep red with a luminous signal patch and Sybil Sample, a two toned pink have been registered and are slated for introduction in 1950. They all have excellent texture and form; many have simultaneous bloom, and until recently no one had approached their variety of beautiful signal patch.

(*) Varieties bearing an asterick are not available in the commercial market at this time. Many are in distribution in Louisiana, and may be available at a later date.

S N Y D E R ' S

INTRODUCTIONS

Crosses of Choice Sturdy Varieties

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Two Distinct Iris Cultures for Louisiana Irises

MRS. W. R. MATHEWS, (La.)

After a decade of growing Louisiana irises using two distinct cultural methods it is only natural to form definite conclusions and an eagerness to share the results with gardeners interested in growing this beautiful section of the iris family.

The two distinct types of planting may be called Bog Culture and Border Culture. It is not my ambition to convert gardeners to either—rather to give my observations made during these years. Also to suggest the possibilities of a wider range for growing this iris by urging the trial of Border Culture in more northern states.

Border Culture for Cold Regions

As a perennial for border composition Louisiana iris are lovely and more graceful than many of the iris species, and give pleasing contrast in flower form, color and foliage when combined with drifts of harmonious plants.

Preparation of the soil for Border Culture in cold or warm regions is approximately the same though slightly different methods may be advisable. For the areas where the Louisiana iris is of doubtful hardiness the necessity for perfect drainage during the cold months cannot be overemphasized. The area of the border for planting should be deeply spaded. Then there should be added three to four inches of dairy fertilizer and an equal amount of peatmoss or rough compost plus a good dusting of a balanced commercial fertilizer. This should be spaded in and mixed evenly throughout the soil. The addition of fertilizer and compost will form an elevated area insuring good drainage. A mulch such as is used for other flowers of questionable hardiness may be placed and removed at the same time the border is covered and uncovered for winter season.

The natural tendency for this iris species is to go partially or completely dormant during the hot summer months; how quickly or how completely depends upon the amount of rainfall or irrigation the plants receive. Copious watering and regular light applications of balanced fertilizer will reward the gardener with green foliage and good increase. However after midsummer the rhizomes should be allowed to go dormant in preparation for winter covering in the cold region.

Border Culture in Warm Regions

In this area the preparation for Border Culture stresses the use of all moisture holding methods and mixtures for the year round.

After removing and disposing of eight inches of soil, three inches



Inspecting plantings of *giganticaerulea* on campus of Southwestern Louisiana Institute at Lafayette, La., are (from left to right) Mrs. W. F. Parker, Miss Zelma Patchin, Miss Marie Caillet, Mrs. F. H. Rhymes and Mrs. Ray Cornay.

of dairy fertilizer and peatmoss with a heavy dusting of balanced commercial fertilizer well spaded in, will leave a depressed area for holding an extra amount of water after rainfall or irrigation. It has been observed that filtered sunlight in warm regions is most beneficial, less leaf rust is noted. Moisture is more easily conserved and the blossoms during the bloom season are more enduring.

Bog Culture

This type culture is for warm regions only where active growth begins in the fall and grows more lush during the winter. Plantings may be made in the typical natural bog around the edges of ponds or pools or in tubs placed in pools or on the bottom of shallow ponds.

In the cypress swamps of our southland members of the *Hexagona* Section grow in water all winter. Here the soil is usually of stiff clay, topped with many years' accumulation of decayed iris vegetation. Naturally it is acid in reaction.

In preparing an area for Bog Culture in the garden where streams,

ponds or pools are not available it would be necessary to select a location where heavy clay exists. Remove twelve to fourteen inches of soil and discard half of this. Smooth the bottom of the bed and tamp it firmly, replacing the sub-soil with top soil and cow manure, compost and peatmoss, leaving two or three inches for flooding.

In this type planting the soil is moist at all times. When the beds are flooded a small application of balanced commercial fertilizer is added. In the fall at the beginning of active growth a light dusting of cotton seed meal gives dark green foliage. Six to eight weeks preceding the blooming season an application of superphosphate gives large flowers and strong stems.

The good garden practice of a small amount of fertilizer given often rather than a large amount at longer intervals holds true for this type of iris culture. It should not be forgotten though that while Louisiana Iris are heavy feeders the iris planting may be injured and the soil ruined by over fertilization.

Sanitation cannot be over emphasized for both cultures, indeed for all iris. Regular removal of all weeds, withered or disfigured foliage, by gently pulling forward from the rhizome may aid in the control of leaf rust and bacterial leaf spot, two of our most disfiguring yet seldom fatal diseases. Borers have never been noted in this region. Where this pest is prevalent eternal vigilance may keep the planting free of them.

Border Culture Versus Bog Culture

While the individual bloom will not vary no matter which culture is used, my observation is that where this type iris can be grown as a true bog plant, the foliage will be more lush in all seasons. It will also have a more pleasing green color and the increase in rhizomes is much greater. And lastly the most important and rewarding benefit from Bog Culture is the splendid bloom season which is consistent from year to year.

IMPERIAL IRIS GARDENS

New and Choice Iris, Oriental Poppies,
Hemerocallis, Peonies and rare Perennials
T. LEEMHUIS CORNELL, ILL.

WAKARUSA FALL BLOOMERS

MENOMINEE (Red Ray X Autumn Sunset). A blend of old rose, lilac, and gold.

POTAWATOMI (Priority X seedling of Wakarusa and Red Ray). A luminous orange-brown-red blend.

These FALL BLOOMERS are bred from seedlings that appeared among Mr. Lapham's tall bearded seedlings and do not have any intermediate or dwarf breeding. This past fall MENOMINEE and POTAWATOMI especially made a wonderful display—tall, well branched stalks with many fine blooms of size, form and substance. Some stalks carried from fourteen to even twenty buds—heavy, low branched, 34 to 38 inch stalks. These two varieties were in bloom for a period of six weeks, and new stalks were coming out of the foliage when freezing weather came. Some fifty stalks on each variety bloomed on two year plants, after good spring bloom and some seed bearing.

The above varieties were put on the market a year too soon and stock is limited because of heavy blooming.

For this year—early July delivery—\$10.00 each

NAPPANEE (Priority X Forerunner). Standards: Orange vinaceous tinged deep vinaceous. Falls: Indian Lake with a slight suffusion of orange.

MISHAWAKA (Red Ray X Autumn Sunset). A deep yellow self, no markings.

NAPPANEE or MISHAWAKA, together with two numbered WAKARUSA FALL BLOOMERS—\$7.50

CHARLES E. WISE

BOX 175

WAKARUSA, INDIANA

On Iris Names

ROBERT E. ALLEN (Registrar)

The life of an iris clone although theoretically infinite is seldom recorded for more than a century. Exceptions to this statement are by no means uncommon, the varieties Albicans and Florentina, for example, have been recorded in literature under various vernacular names for nearly a thousand years. The fleur-de-lis has been recorded more than 400 years, while the still ubiquitous Honorabile has a history of more than a century. On the other hand, the life of some named clones is only a few years before they become extinct by accident, by disease, or by the hand of their originator.

Several still popular varieties are more than a score of years old, a conspicuous example being the white and blue plicata Los Angeles. Many others are now in their second decade of popularity; Great Lakes, Wabash, Fair Elaine, City of Lincoln, and The Red Douglas being typical examples.

Although only a few of the irises introduced each year will attain fame, nevertheless the chance that it may become a popular favorite is such that a good iris should not be handicapped by a poor name. Just what is a good name is now beyond precise definition but steps are being taken to determine some facts on the subject.

The hundreds of new iris names registered each year cover a very wide field of subjects, from the sublime to the ridiculous. An article by N. Leslie Cave on the subject of iris names that appeared in AIS Bulletin 92 is worth re-reading for it is one of the type that have influenced the procedures of iris nomenclature that have developed since 1920.

Certain general sources of iris names have been favored by iris namers. An analysis of a thousand random names discloses fifteen subjects most favored as sources of iris names. A list of these subjects and examples of the names they have contributed follows:

Types of Iris Names

1. Descriptive: Direct or comparative description of color, height, foliage or some other characteristic.

Examples: Laelia Pink, Vatican Purple, National Giant, Zebra, Shark-skin, Amethyst.

2. Geographical: Named after states, cities, lakes, rivers, mountains, etc.

Examples: Mount McKinley, Los Angeles, San Francisco, Great Lakes, Missouri, Spanish Peaks, Wabash, Indian Hills, Chinook Pass, El Capitan, Pacific.

3. Masculine and feminine names.

Examples: Cynthia, Diana, Edward, Francesca, Helene, Phoebe, Fleeta, Virginia.

4. People: Named for specific individuals.

Examples: Edward of Windsor, Helen McGregor, Mary Geddes, Flora Zenor, Harriet Thoreau, Louise Blake, Master Charles, Frank Adams.

5. Meteorology: Names from various meteorological references.

Examples: Morning Sky, South Wind, Snow Flurry, Blizzard, Autumn Frost, Prairie Sunset, Afterglow, Aurora, Hurricane, Jack Frost, Summertime.

6. Foreign adjectives, place names and terms:

Examples: Ola Kala, Viipuri, Dubrovnik, Naranja, Rhein Nixe, Flamenschwert, Eurycles, Banzai, Fujiyama, Sole Mio.

7. Mythology and Astronomy:

Examples: Thor, Ceres, Aphrodite, Cynastra, Vulcan, Euphrosyne, Juno, Orion.

8. Impersonal appellations:

Examples: Northman, Bold Warrior, Guardsman, Indian Chief, Ranger, Savage, Ambassador, Gladiator, Matador, Forerunner, Pace-maker, Yankee.

9. Extraneous nouns and adjectives.

Examples: Relentless, Clarion, Alarm, Clamor.

10. Pseudo-scientific nomenclature.

Examples: Alba Superba, Magnifica, Aurea, Elegans.

11. Virtues, abstractions and achievements.

Examples: Nobility, Tranquility, Modesty, Majesty, Chivalry, Serenity, Glory, Clarity, Gratitude, Symphony, Victory, Courage, Present.

12. Acts, events and objects.

Examples: Serenade, Fandango, Persuasion, Admiration, Fiesta, Cigarette, Bingo, Regatta, Red Torch.

13. Whimsies and references.

Examples: Jug of Wine, And Thou, Myomy, Arabian Nights, Perhaps, Probably, Ponder, Tally Ho, Bright Hour, Dutch Boy, Song of Songs, Fabulous Kate.

14. Coined names.

Examples: Paltec, Ibpall, Ormaco, Thorbash, Trinkedor, Mohresque, Celestar, Sikh Mohr, Flurry Mohr.

15. Combination color names.

Examples: California Gold, Blue Shimmer, Purple Giant, Pink Perfection, Oregon Sunshine, Bountiful Blue, April Tan, Technicolor.

Quite aside from the basic principles of botanical nomenclature which apply only generally to horticultural nomenclature because of the differences in purpose, are certain principles that have become established by trial and error since the founding of the American Iris Society. From time to time these principles have been stated as rules in publications and in correspondence but it has been some years since they have been collected and correlated. The advent of a revised registration and introduction procedure is a good time to restate the simple rules that have been evolved to protect and aid the registrants of iris names.

Registration, as custom and usage of the society have defined it, is the formal acceptance by the Registrar of an eligible name proposed by the originator or his agent. The eligibility or acceptability of a proposed name is determined again by several rules that usage, custom and ethics have evolved. The rules now in force are:

1. The name proposed must not have been registered or recognized for any other iris unless a previous registration of the same name is declared obsolete and void after due investigation determines that the clone that carried the name is extinct.

2. The name should consist of not more than three words of the English language or recognized transliterations of appropriate words from other languages and then only if such three word names are of well-known meaning and application such as Statue of Liberty, Maid of Orleans, Rose of Tralee, Man from Glengarry, Song of Songs, Love in Bloom and Rio de Janerio.

3. The use of ordinary courtesy titles such as Mister, Mistress, Madame, Mademoiselle, Frau, Senor, Signora, etc., and their customary abbreviations is no longer sanctioned because the name of the individual honored is adequate identification. Example: Hazel Atwood, not Mrs. Ralph Atwood.

4. The legal or professional names of living people may be used as iris names only with the specific knowledge and written consent of the person concerned.

5. The use of distinctive trade-marked or copyrighted names of commercial products such as Coca Cola, Lifebuoy, Lavoris, Lucky Strike, Buick, Evening in Paris, Catspaw, etc., are not sanctioned unless the name is otherwise a common one such as Ivory, Constellation, Sante Fe, Golden Gate, Mardi Gras, etc.

6. The use of the name of the originator or introducer as any part of an iris name is not sanctioned.

7. The use of professional or honorary titles as part of an iris name is not sanctioned unless the individual so honored would be unrecognized without his title. Thus Louis Pasteur rather than Dr. Pasteur; John Paul Jones rather than Admiral Jones; Abraham Lincoln rather than

K. D. SMITH INTRODUCTIONS

HELEN COLLINGWOOD (1949). A truly brilliant creation in the neglecta class. Well branched 40 inch stalks with light lavender standards and brilliant violet purple falls. Entirely different. 4 branches, late midseason. **\$25.00**

KEENE VALLEY (1949). The sister seedling of Blue Valley many judges consider sensational. It has a wide haft and outstanding substance. The flowers are large and the stalk well branched and it usually tops 42 inches in height. **\$25.00**

FORT TICONDEROGA (1948). A glowing, brilliant orange-red. Perhaps the most brilliant iris in the garden. 36 inches in height. **\$15.00**

HIS EXCELLENCY (1948). A rich dignified improved Louvois. 36 inches. **\$10.00**

SEA GULL (Ilse Smith '48). A large ruffled flaring white, beautifully branched. 42 inches. **\$10.00**

BLUE VALLEY (1947). A medium blue self with flaring falls. "Very blue." 40 inches, A.M. 1949. **\$10.00**

FALL DAYS (1947). A reddish-copper bicolor, really a symphony in rose and gold. A grand clump. 43 inches. **\$12.50**

MARION VAUGHN (1947). A soft lemon-ice with a white flush below the beard. The green midribs accentuate the coolness of the attractive flowers. Grand as a clump. 36 inches. **\$10.00**

STATEN ISLAND (1947). A very bright variegata that many judges consider tops in its class. 38 inches. **\$10.00**

ADMIRATION (1946). A late smooth medium yellow self that is really outstanding. **\$6.00**

**COLLECTION—ONE EACH OF ABOVE TEN
IRIS (VALUE \$133.50) FOR \$100.00.**

NOTE—No iris list will be issued by me in 1950.

TERMS—Cash with order. Shipments after July 4th

KENNETH D. SMITH

Benedict Road, Dongan Hills

Staten Island 4, New York

President Lincoln; Robert E. Lee rather than General Lee; Hiram Johnson rather than Senator Johnson; John Caleb McNeill rather than Professor McNeill and so on. Always, however, it is Queen Victoria, Julius Caesar, King George V, Sir Galahad, Prince Edward, Lord Mountbatten, Captain Kidd, Doctor Jekyll, Chief Poking Fire, etc. The rule is to honor the individual rather than the title, which also honors, but when different titles are necessary to distinguish between prominent persons of the same name, titles will be needed if that particular individual must be honored.

8. The use of a slight variation of a registered name to attain an ostensible difference is not sanctioned. For example: Golden Nugget is competitive with Gold Nugget and not acceptable. Black Sateen is too near Black Satin for acceptance. A slightly variant spelling of a registered name is not acceptable.

9. The use of a definite article as part of a name is no longer sanctioned in such names as The Teacher, The Blue Yonder, A Tender Thought, An Event, etc. Pronouns may be used only in accepted combination such as Your Honor, His Excellency, Your Worship, Her Grace and similar appellations but are to be avoided in such usages as Our Choice, My Pet, Her Decision, etc.

10. The use of abbreviations as all or part of a name is not sanctioned except in coined words. Thus it is Point Loma not Pt. Loma; Mountain Sky not Mt. Sky; Mount Vernon not Mt. Vernon; Saint Osyth not St. Osyth; South Wind not S. Wind; Brother Jonathan not Bro. Jonathan; Fifth Avenue not Fifth Ave. Coined or combination names such as Ibpall, Paltec, Thorbash, Oncogelia, etc., are acceptable if euphonious and original. It must be noted that the requirement for the full spelling of the name of a variety does not bar the use of standard abbreviations in common usage any more than the word William precludes the use of the abbreviation Wm., but the formal listing of the name requires the full spelling.

11. The accidental or intentional misspelling of any word having a recognized spelling or usage is not sanctioned unless it is the actual spelling of a particular person's name or an orthographically sanctioned variant of some unregistered name.

12. The use of apostrophes in diminutives and possessives is not sanctioned. It is Bit of Heaven not Bit o'Heaven; Break of Day not Break o'Day. Dialectical apostrophes are acceptable in such names as Tam O'Shanter, Rosy O'Grady, Paddy O'Toole, L'Orient, etc.

13. The use of physiological, morphological, cytological and other terms that apply to characteristics not exclusive or potentially exclusive to the particular clone is not sanctioned.

The naming of an iris is a matter not to be lightly undertaken. The better an iris, the better should be its name. Many a splendid iris has been condemned to obscurity by a commonplace or uninspired name. Give at least as much care to the naming of your fine new iris as you gave to its creation.

NEW DWARF BEARDED IRIS

To satisfy the demand for access to some of the many new things in dwarfs that are being developed here in our garden, I have decided to offer two of the most spectacular breaks in this class of iris.

Being a perfectionist and with the realization that these varieties are not the last word, they are offered as the first of their kind ever to appear in the dwarf varieties. These are not just novelties but genuine true dwarfs, from pure dwarf blood and valuable for both breeding and garden display. Not only is the amoena entirely new in dwarfs but its green coloring is that green everyone is looking for.

BLARNEY D519: (Fiancee X Fairy) X Cook 1546: ((Azurea X pumila) X pumila). An amoena, standards pure white, falls leaf green with clean cut pure white border. Closed domed standards, semi-flaring falls, white beard, 8 inches high. Early blooming. \$5.00 net

PRIMUS D516: (chamaeiris X Sass Dark Ruby) X Cook 1546: ((Azurea X pumila) X pumila). A true variegata, clean deep yellow standards, falls brownish red, with neat yellow border like standards. Closed standards, and profuse blooming. 6 inches high. \$5.00 net.

WALTER WELCH
Middlebury, Ind.

CLIFFORD W. BENSON'S INTRODUCTIONS

BELLERIVE (1950)—Huge, ruffled, buttercup cream. C.C., 1949—H.C., 1949. . \$10.00

SWAN LAKE (1949)—Exquisite French powder blue self. Makes a dainty clump effect. C.C., 1948 \$7.50

WHITE SENTRY (1949)—Stately sculptured white with a velvet finish. C.C., 1948 \$6.50

TOSCA (1949)—A lovely ruffled and waved darker edition of the beautiful Lake Breeze. C.C., 1948 \$10.00

ESTATE (1949)—A 26 inch foreground attractively flaring subject done in white. Possesses good substance. \$5.00

TIEMANN TEST GARDENS
BOX 238, FLORISSANT, MO.

By-Laws* of the American Iris Society

ARTICLE I

The name of the Society shall be THE AMERICAN IRIS SOCIETY.

ARTICLE II

The object of the Society shall be to promote the culture and improvement of the Iris. The methods of attaining this object may include (a) the owning and/or renting buildings, land, test and exhibition gardens, libraries, photographs, lantern slides, and other property, and/or the support of same; (b) collection, compilation and publication of data concerning the history, classification, breeding, cultivation, and exhibition of Irises; (c) encouragement of Iris cultivation and breeding by holding exhibitions and by formal visits to gardens; (d) the promotion and support of scientific research.

ARTICLE III

Section 1.—The membership of this Society shall be divided into the following classes (1) Honorary; (2) Life; (3) Research; (4) Sustaining; (5) Active; (6) Family.

Honorary Membership

Section 2.—Honorary Membership may be conferred by the Society upon recommendation or nomination of the Board of Directors upon persons who have rendered distinguished services to the knowledge and development of the Iris. Honorary members shall not be required to pay dues, and they shall not hold office or vote.

Life Membership

Life Membership shall confer all the usual privileges of membership, and shall be open to individuals (no corporations or other associations) upon payment of the sum of \$75.00. All the monies received for life memberships shall be open to individuals (no corporations or other associations), and the income therefrom only shall be used by the Society during the

life of the member making the payment; thereafter, the said sums of \$75.00 may be applied for permanent purposes.

Research Membership

Research Fund Members shall have all the usual privileges of membership, and shall pay dues of \$25.00 or more per year; the dues paid by Research Fund Members shall be kept in a special fund to be used for research and scientific purposes.

Sustaining Membership

Sustaining Members shall have all the usual privileges of membership and shall pay dues of \$5.00 per year.

Active Membership

Active Members shall have all the usual privileges of membership, and shall pay dues of an amount to be set by the Board of Directors not to exceed \$4.00 per year.

Family Membership

Family Membership, at the rate of \$5.00 per year, shall be limited to husband and wife, conferring all the privileges of membership upon both, but with the delivery of only ONE copy of the Bulletin per issue to the two as a unit.

Section 3.—Dues shall be payable each year in the quarter beginning twelve months after the receipt of the membership application and so continued each year thereafter.

The names of members whose dues remain unpaid for three months shall, after due notice has been given, be removed from the mailing list of the Bulletins and other publications of the Society until the arrearage has been paid; and further, such persons shall be liable to be dropped from the rolls of the Society without notice by the Board of Directors.

* As amended December, 1949.

ARTICLE IV

Section 1.—The meeting of the Society shall be (a) Administrative and (b) Non-administrative.

Section 2.—The annual administrative meeting of the Society for the transaction of general business shall be held each year at the time and place to be fixed by the Board of Directors, and a notice of the place and approximate date of such meeting shall be mailed to each member at least sixty days in advance; and adequate notice of the exact time shall be mailed.

Special meetings for administrative purposes shall be called by the President upon written request of twenty members of the Society; such written request shall contain a memorandum of the purpose or purposes of such meeting. A written notice of such meeting shall be given by the Secretary at least thirty days in advance, stating time, place, and purpose, and no business shall be transacted at such meeting other than mentioned in the notice.

Section 3.—All appropriations of money voted by the members of the Society at either annual or special meetings shall be subject to the veto in whole or in part of the Board of Directors.

Section 4.—Ten active members shall constitute a quorum at any annual or special meeting.

Section 5.—Non-administrative meetings shall be of two classes: (a) national and (b) local. National non-administrative meetings may be called from time to time for any purpose looking toward the object of the formation of the Society, namely to promote the culture and improvement of the Iris. Notice of such meetings shall be given in writing to the members of the Society.

Local meetings may be held from time to time and shall be called by the Regional Vice-President in whose Region the meeting is to be held.

Section 6.—All meetings shall be called and conducted in conformity with the rules prescribed by the Board of Directors of the Society.

ARTICLE V

Section 1.—The *Board of Directors* shall consist of not more than fourteen members of the Society, of whom twelve shall be elected as follows: At the first election after the organization of this Society under these By-Laws four members shall be elected for one year, four for two years and four for three years. Directors shall hold office until their successors are duly elected and qualified. In addition to the foregoing twelve members, the Board shall appoint an editor and a secretary who shall be ex officio members of the Board for the terms of their offices with full voting powers.

Section 2.—Election shall be by mail ballot. Nominations for Directors shall be made by the Board of Directors and sent to all members on or before August 1 of each year. Any 15 members, of whom not more than eight may be located in any one region, may thereafter on or before September 1 make nominations which shall be addressed to the Secretary and shall be included in the ballot. This ballot shall be mailed to all members on or before October 1 of each year and must be returned by the members to the Secretary or Election Committee (if one is appointed) on or before November 1. (If there are no additional nominations made this second ballot may be omitted.) The result of the election shall forthwith be reported to the President and shall be published in the next printed Bulletin or other publication of the Society.

Section 3.—The Board of Directors shall have complete and comprehensive power and authority to conduct the affairs of the Society, it being the intent of these By-Laws to confer upon the Board full discretion and power in any and all situations that may arise. In case of vacancy on the Board the President shall have the power, subject to the approval of the Board, to appoint a director or directors for the balance of the term.

Section 4.—The Board of Directors shall have authority to create, appoint and discontinue standing committees

and to delegate to such committees such powers and functions as may seem proper to the Board; and shall further have authority to appoint assistants to the officers, and to define the authority and powers given to such assistants.

Section 5.—The Board of Directors from time to time may designate and constitute certain geographical sections of the United States as official Regions, and the Board of Directors shall appoint a Regional Vice-President to preside over each of such official Regions. Likewise, the Board of Directors may from time to time vacate and rescind the designation of such official Regions whereupon the appointment of such Regional Vice-Presidents shall likewise be vacated. Regional Vice-Presidents shall be appointed annually by the Board of Directors for terms of one year and no one shall be eligible for reappointment as Regional Vice-President for more than three successive years. A person who has served three successive years will become eligible for reappointment as Regional Vice-President after being out of office for one year.

The by-laws and all activities of such Regions shall be subject to the approval of the Board of Directors.

Section 6.—The Board of Directors shall have authority to adopt by-laws for its own government and from time to time amend such by-laws.

Section 7.—The Board of Directors shall meet each year during the first half of November, or at such other time as the President shall designate, and shall elect from its own members to serve for the following year; (1) President; (2) One or more Vice-Presidents (as determined by the Board of Directors); (3) Secretary; (4) Treasurer. These officers so elected, shall hold office until their successors are duly elected and qualified. One individual may be elected to the offices of Secretary and Treasurer.

Section 8.—The *President* shall preside at all meetings of the Society and of the Board of Directors, and

shall have general superintendence of the affairs of the Society.

Section 9.—The *Vice-President* shall perform the duties of the President in case of his absence.

Section 10.—The *Secretary* shall keep the records of the proceedings of the Society and of the Board of Directors and carry on the correspondence. He shall mail notices of meetings and he shall have charge and custody of the Society's books and papers except those relating to the Society's financial affairs. He shall draw orders for the payment of money upon the Treasury, which orders shall be countersigned by the President and/or Vice-President. The Secretary shall make an annual report to the Board of Directors.

Section 11.—The *Treasurer* shall receive and keep account of all the monies and securities of the Society, keeping moneys in special account in Society's name. He shall pay out money under direction of the Board of Directors upon written order of the Secretary, countersigned by the President or Vice-President.

He shall make to the Board of Directors and to the Society an annual report of all receipts and disbursements, shall exhibit the orders for such disbursements, and shall give a synopsis thereof to the Society at its annual meeting. He shall give bond at the expense of the Society in such amount and in such form and with such surety as may be, from time to time, required by the Board of Directors. Whenever required he shall submit his books and orders to auditors appointed by the Board of Directors. If the offices of Secretary and Treasurer are held by the same individual, the Vice-President shall countersign the orders with the President.

Section 12.—An *Editor*, who shall have charge of editing the Bulletins and other publications, subject in all matters to be approved of the Board of Directors, shall be appointed from time to time by the Board of Directors, who shall be the sole judge of his qualifications.

Section 13.—The Board of Directors may submit questions (including amendments to these By-Laws) of any and all kind by mail to the members of the Society, with the request that the members vote by mail upon said question; these mailed polls will have the same effect as if the questions were voted upon at annual or special meetings of the Society.

ARTICLE VI

Section 1.—Amendments to these By-Laws may be initiated by two-thirds vote at any meeting of the Society or of the Board of Directors, provided that notice of the proposed amendment shall have been included in the notice of the meeting. Such amendment shall then be submitted by mail to the membership in accordance with Article V, Section 13.

Section 2.—Roberts' Rules of Order, Revised, shall be used in all meetings of the Society to cover questions not provided for in these By-Laws.

1949 AMENDMENTS to the By-Laws of the American Iris Society, which were submitted to the membership in December, were carried by a large majority. The total vote was 785. Of this number 57 voted NO on at least one proposal. 728 approved the changes *in toto*.

In Memoriam

Mr. J. N. Bommersbach, passed away at the home of relatives in Indianapolis, Indiana, in July 1949. Mr. Bommersbach was a graduate of Notre Dame University and began his study and work with iris nearly thirty years ago. Long a resident of Decatur, Illinois, his grand personality will be keenly missed by the many flower lovers of that section.

**In Memoriam
Howard R. Glutzbeck**

At th age of 68, Howard R. Glutzbeck died on September 17, 1949. He was educated at Union College, and was an engineer by profession. While he became interested in flowers at an early age, it was not until 1930 that he began to work with irises. In addition to breeding irises Mr. Glutzbeck was a judge and a Life Member in the American Dahlia Society. His variety "MYRA HOWARD" has received many high honors.

Donald Forsha Jones once wrote "It should be remembered that plant improvement by breeding is an art. One may have at command all that has been learned about heredity from the time of Camararius down to the publication of the most recent treatises on the chromosomes as the carriers of inheritance, but unless he has the patience and enthusiasm of a sculptor or a painter, there is small hope of his producing any meritorius new form of life." Mr. Glutzbeck had both of these qualities, enthusiasm and more particularly, patience.

From the many thousands of seedlings that he raised only three were ever introduced to commerce. Two of these, Ming Yellow, introduced by Quality Gardens and Spun Gold, introduced by Schreiner's Gardens, though brought out almost a decade ago, still rank high in popular favor. His work with clear yellows and orange shades was interrupted by ill health and the necessity of moving from his home in Lynnbrook, N.Y., and it is a source of deep regret that he did not live to complete it.

IDA MARY PATTISON, Calif.

NOTICE

The 1950 Spring Iris Show of the Wisconsin Iris Society will be held June 4, 1950. The show will be held in the Mitchell Park Conservatory. Due to the great number of entries that are expected, both the East and the West wings of the Conservatory will be used.

Mrs. R. Baumgartner, Pres.

The fifth annual show of the Utah Iris Society has been tentatively set for May 21-22. It will be held in the showrooms of the Porter-Walton Co., of Salt Lake City. Those interested should contact M. D. Naylor, 1484 Yale Ave., Salt Lake City, Utah.

LONGFIELD INTRODUCTIONS for 1950

BLUE BAND—new dwarf from Paul Cook \$2.00

BLUE BLAZES—Walter Welch's Regional Winner \$15.00

BLUE PARAKEET—Don Water's stunning blue and olive \$15.00

PARADISE PINK—E. G. Lapham's pink of "pinks" \$15.00

LONGFIELD IRIS FARM

Bluffton 9, Indiana

*Visitors always welcome
Catalog upon request*

NOTE FROM URUGUAY

Dear Mr. Johnson (Virgil V. Johnson, New York City); You may be interested in a report on the second blooming season of the irises you so kindly gave us two years ago. The (blooming) season here is October and November. The fifteen rhizomes of last year increased to 100 this year of which about one fourth bloomed giving about a hundred blossoms in gorgeous yellows, whites and blues. They have been the admiration of all who have seen them.

PHILIP A. CONRAD, Montevideo.

AUSTRALIA AND NEW ZEALAND TO HAVE SEPARATE IRIS SOCIETIES

Word has just been received of the division of the Australian and New Zealand Iris Society into separate societies one for Australia and one for New Zealand. Interest in irises is rapidly increasing in the Antipodes and membership in the Australian and New Zealand Iris Society has reached the point where separate societies may be more useful than one single society, particularly in view of the distance between Australia and New Zealand, and the difference in value between the currencies of the Commonwealth and the Dominion.

As is well known to members of the AIS, some fine modern irises have come from "down under," some of the more recent being Inspiration, Rangitikei, and Pinnacle, while others are on the way. In conformity with the general rule governing non-American registrations and introductions, the AIS will accept for registration and introduction from Australia and New Zealand only those varieties whose applications are endorsed and sponsored by the appropriate society.

Our Members Write . . .

My garden has excellent drainage, with glacial sand underneath. The land slopes north and east and most of it has been terraced and made into individual small gardens. The gardens get morning sun, but most of them are shaded part of the day. As time goes on, I am using more and more organic fertilizer—manure and garden compost. In making a new bed, or in entirely remaking an old one, a heavy layer of cow manure is spread and covered with six or more inches of loam. Compost or rotted manure is spaded into the top of the garden. It is raked smooth and allowed to settle. I try to get old manure, but even if it is fresher than I want, it soon settles down. I am a firm believer in garden compost and in the last two or three years have been quite successful in getting rough compost in a few months with the liberal use of Adco and plenty of water. Even oak leaves will break up, and although the compost is often coarse, it soon crumbles under the soil. I recommend a re-reading of Geddes Douglas' article on the asparagus bed and iris on page 88 of the Bulletin for July 1949. There he sets forth, in his graphic way, his own experience that iris grow best in rich soil with good drainage and are more resistant to rot, leaf spot and other diseases than half-starved rhizomes fed with nothing but bone meal, as was the accepted way a short time ago.

I usually try to reset about one-third of my garden each year. In resetting an individual plant among established plants I use a fertilizer made up as follows: I fill a pail about one-half full of Bovun—dried cow manure, which is easy to handle. On top I pour superphosphate until the pail is about two-thirds full. Often I add a quart or so of Vigoro and then mix it all up. Two or three double handfuls of this mixture are stirred into

the hole and then a mound made on which the rhizome is set.

In early spring I sprinkle superphosphate around each plant. In cultivating around the plants I use a scraper which cuts off chickweed and other weeds, but does not dig into the ground. In the summer I sometimes spread compost around the plants and scratch it in lightly. This helps retain moisture and gradually works into the soil.

One of my best gardens was a vegetable garden in which quantities of cow manure had been put two years before. Last fall I made two new terraces into which much more manure was spaded than I really approve. It has been an open and wet winter. Will I have rot next spring? We shall see.

—HAROLD W. KNOWLTON, Mass.

TO DO, OR NOT TO DO—

I had read that time and again in iris literature, and iris-growing friends had so cautioned me. That is what I told him.

"How come?" he queried. I gave him the best explanation I could of the danger of rot and fungus, but he did not seem to be impressed. "I never saw anything yet—plant or animal—that was not better for good feeding," was his parting remark.

The next spring at blooming time he was back. "You know those iris I got of you last July?" I nodded my head. "Have you got the time to come and take a look at them?" There was a gleam in his eye that I did not just exactly like, but nevertheless I assured him that I would be glad to go and look at his iris.

During the ride to his garden, I mentally braced myself to find that Sable had turned out to be White City, or that Ola Kala, through some alchemy, was blooming red for him. Oh well. I con-

soled myself, everything happens to a gardener!

When we stepped out of the car at his place and my eyes automatically fastened on his iris some 30 feet away, I was amazed...I had never before, nor have I since seen such iris! They were sturdy, immense, such large bloom and so much of it—large clumps for one-year plants and on light soil too! They were better than any I had ever grown.

"What's wrong with those iris?" I asked rather weakly. "There's nothing much wrong with 'em that I can see," he replied, pride shining through.

As we walked closer, I asked myself

...what are those large lumps thickly studded through the flower clumps? What heresy is this—is it manure? It was manure! Great lumps of barnyard manure, manure that had been trampled by cattle and mixed with earth till it formed large, tough chunks.

"When it's dry, I turn the hose on those lumps; otherwise the rain carries it down. I'll throw it all out of here this fall and put in fresh in the spring," he explained.

Oh yes! his iris were just as good, last year (the second year). A little rot in one of the clumps was easily cleaned up.

—ADRIAN P. GIBSON, Minn.

★ OUR FREE CATALOG

will be ready for the members of the A.I.S. early in March, 1950. We list 400 varieties of Iris and 70 varieties of Daylilies.

We keep our prices consistently low, and in addition allow the following "YOUR CHOICE" premiums on everything listed in our Catalog:

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FINAL LISTING HIGHLY COMMENDED IRISES OF 1949

Registered But Not Introduced

<i>Variety</i>	<i>Originator</i>	<i>Variety</i>	<i>Originator</i>
Alline Rogers	Kleinsorge	Lady Ruffles	H. W. Schirmer
Apricot Glory	Muhlestein	Lantana	De Forest
Autumn Brown	Lowry	Leading Lady	Lyell
Bellerive	Benson	Love Story	Sapp
Black Satin	Nesmith	New Hope	De Forest
Celestar	Larsen	Pacemaker	Lapham
Centurion	Wills	Parachute II	Loomis
Chiquita	Knowlton	Paradise Pink	Lapham
Clear Sailing	De Forest	Polly Thrall	Barker
Colonial Dame	G. Douglas	Sable Night	Paul Cook
Gala Finale	De Forest	Sespe	Walker
Gratitude	Snyder	Song of Songs	Crosby
Jack Frost	Corey	Technicolor	Whiting
Lady Dozier	Dozier	Utah Sunset	Muhlestein

These 28 varieties are now entitled to the notation H.C. in their permanent record and if introduced and listed in 1950 catalogs are eligible for Honorable Mention, as are also those other registered varieties listed in 1950 catalogs that have not yet received Honorable Mention.

ROBERT E. ALLEN, February 11, 1950.

IRIS *Yes we have them over 17 acres 2,200 varieties*

But we are retiring from the business, hence this year and in 1951, we hope to close out our entire stock.

Private gardeners—here's your chance of a lifetime

Dealers—ask for our Wholesale Price List

Every item drastically reduced including all Peonies, Oriental Poppies and Perennials.

FREE CATALOG FOR THE ASKING

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FAIR CHANCE FARM

BOX 1

BELOIT, KANSAS

ANY NUMBER CAN PLAY

Awards Committee Announces Good Name Competition

During the past ten years or more much has been said and written about the value and importance of a good name for an iris. William Shakespeare was only one of the many who have extolled the value of a good and honorable name. As far as irises are concerned, however, there is no formula other than common sense for determining just what constitutes a good name or for measuring its value.

Under discussion for some time has been a plan for learning what constitutes a good iris name in the opinion of AIS members, and for an eventual approximation of the value of a good name by comparing the most popular names with the list of award winning irises. As a step in this direction the Committee on Awards now announces a "Good Name Competition" open to all A.I.S. members and requiring no forms or ballots.

The purpose of the Good Name Competition is to determine which of the new varieties registered in 1949 have the best liked and most popular names. The rules are simple and all members are urged to participate.

Good Name Competition Rules

1. Please use a post-card, any kind.
2. Address it to: AIS Awards Committee, 444 Chestnut Street, Nashville 10, Tennessee.
3. Turn to the Report of the Registrar in this Bulletin.
4. Study carefully the names registered in 1949 and select the *three* that have the greatest appeal to you.
5. Write these three names that you like best in 1, 2, 3, order on the card.
6. Sign your own name and address.
7. Mail the post-card at once.

The competition will close May 15, 1950, and cards postmarked after that date will not be counted. The results of this competition and a list of the most popular names, together with a list of members (if any) who selected the most popular names will appear in the July Bulletin. In tabulating the results all first place names will receive 3 points; all second place names 2 points; and all third place names 1 point. Rank will depend upon the total number of points received. Remember that this competition has nothing whatever to do with any iris or any breeder. It is being conducted solely to learn the kind of names A.I.S. members like. Get your post-card and select your good names right now.

TREASURER'S REPORT 1949

COMBINED STATEMENT

Of Receipts and Disbursements for Period Beginning Dec. 1, 1948, Ending Dec. 31, 1949

DISBURSEMENTS

S. Y. Caldwell	\$2315.30
Gladys Williams	1664.20
Bookkeeping, Clerical	2538.80
Office Rent, Janitor Service	260.00
Bulletins printing, Cuts	6825.47
2nd Edition—The Iris	1629.60
Postage (Bulletins & all others)	731.41
Printed forms, office supplies	1112.41
Committee expenses, Medals	733.39
Mitchell Books	92.08
Withholding & Sales Taxes	479.70
Mailing Permits	60.00
Insurance	39.00
Miscellaneous	663.65
TOTAL:	19,145.01

INCOME from memberships

New Members	\$3499.00
Renewals	8479.12
Life	300.00
Sustaining	2022.50
Family	50.00
Triennial (Discontinued)	34.50

14,385.12

Bulletins	52.25
The Iris-cloth	837.50
paper	952.50
Combined, Wholesale	260.78
Check Lists	250.00
Irises, by Anley	78.00
Iris, by Mitchell	153.00

2,584.03

Membership, The Iris Soc.	199.85
Advertising	852.85
Registration Fees	163.00
Interest on Bonds	137.00
Membership Lists	39.50
Overpayments and Miscellaneous Income	207.15

Total **\$18,568.50**

Cash on Hand, Third National Bank, Nashville, Tenn., Dec. 1st, 1948	2,051.60
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\$20,620.10

Disbursements, for above period	19,145.01
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1,475.09

Cash on Hand, Third National Bank, Nashville, Tenn., Dec. 31st, 1949	475.09
Petit Cash Account, Office of Secretary, Dec. 31st, 1949	1,000.00

1,475.09

Signed: E. G. Lapham, Treas.
Geddes Douglas, Sec.

Hill--Son

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- A few charming new Dwarfs.
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Will not clog spray equipment. Quickly and easily applied. Directions on each bottle. Protect your plants against unnecessary injury. First application must be made as soon as iris starts growth. Send your order in now together with remittance. No C.O.D.'s please.

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REPORT OF THE REGISTRAR – 1949

CHAS. E. F. GERSDORFF and MRS. WALTER COLQUITT

See *Check List 1939* for explanations of abbreviations and BULLETIN 63: pages 78-80, Oct. 1936, for registration rules, one of which has been revised to read, "the closing date, for iris registration is October 31, and any application received after that date will be processed after January first of the succeeding year.

ADDITIONS TO, AND CORRECTIONS OF, THE LIST OF ORIGINATORS, INTRODUCERS, ETC.

- AKINS. Miss Flora Akins (1887-), (iris breeder), 839 Atchison St., Atchison, Kansas.
- AST. NURS. The Astolate Nurseries, Guildford, Surrey, England.
- BAKER-O. Mr. Orville M. Baker (1898-), (amateur gardener and breeder of irises), 810 Litchfield, Wichita, Kansas.
- BALL-L. Mr. Lawrence Ball, (iris breeder and nurseryman), Monomeeth Gardens, Mt. Evelyn, Victoria, Australia.
- BAUMANN. Mr. Karl W. Baumann, (iris breeder), 306 West Grand Ave., Carbondale, Illinois.
- BUSS. Mr. Walter Buss, (1889-), (iris and daylily breeder), Edenwald Gardens, Rd. 67, Vincennes, Indiana.
- BUSS-E. Mrs. Walter (Edith A.) Buss (1887-), (iris and daylily breeder); Rd. 67, Vincennes, Indiana.
- BUTTON. Mr. Walter D. Button, (1899-), (iris and hemerocallis breeder), 14501 St. Louis Ave., Midlothian, Illinois.
- BUTTON-J. Miss Joyce Mary Button, (1936-), (iris and hemerocallis breeder), 14501 St. Louis Ave., Midlothian, Illinois.
- CLOSS. Mrs. P. H. Closs (1910-), (iris breeder and collector of colored glass), 312 Beech St., Hannibal, Mo. (revision).
- CROSBY. Mrs. Samuel (Luzon) Crosby, (1914-), (iris breeder, also daylilies and gladiolus), R.F.D. 2, Box 623, Orem, Utah.
- DARE. Dare's Gardens, (irises), 15379 Chatham, Detroit 23, Mich.
- DAVIS-W. B. Mr. W. B. Davis, (iris grower), 608 Davis Ave., Montebello, Calif.
- DREWETT. Mr. A. W. Drewett, (iris breeder), 17 Beckenham Grove, Shortlands, Kent, England. (address change).
- FRAZEE. Mrs. Howard N. (Valentine N.) Frazee, (iris breeder), (1903-), 1525 East 39th St. So., Salt Lake City 7, Utah.
- GREBE. Mr. Byron C. Grebe, (iris breeder), Hamburg, Iowa.
- HOLMBERG. Mr. R. D. Holmberg, (iris breeder), and Holmberg Gardens, Neodesha, Kansas.
- HOPE. Mrs. John Hope. (iris

- breeder), 1509 Belmont Ave., Yakima, Wash.
- HOUGHTON. Mr. T. B. Houghton, (iris breeder), California Hot Springs, Calif.
- HOWE-O. Mr. Olin R. Howe, Jr., (iris and hemerocallis breeder), 445 Concord St., Holliston, Mass.
- INNES. Mr. Robert Innes, (iris breeder), Yakima, Wash.
- JOHNSON-E. Mrs. Charles A. (Ethel E.) Johnson, (iris breeder), (1886-), 63 Central Ave. Medford 55, Mass.
- JOHNSON-RUTH. Mrs. Martin (Ruth M.) Johnson, (iris breeder, prop. Shey. Gardens), 1117 8th Ave. So., Fargo, N. Dak.
- JONAS. Mr. Clarence D. (1906-) and Mrs. Clarence D. (Ethel M.) Jonas, (iris breeder, manufacturing executive-specialist in methods engineering; and selector of his irises), 4747 Kyle Road, Fort Wayne 6, Ind.
- KEITH. Mr. A. D. Keith, (iris breeder) and Keith's Iris Gardens, Washougal, Wash.
- KERPER. Mrs. John F. Kerper, (iris breeder), Rt. 1, Box A-158, Pineville, La.
- KLOPF. Miss Ethel Klopff, (1893-), (iris breeder), 508 N. 9th St., Atchison, Kan.
- LAKE SIDE. Lakeside Iris Gardens, (Mary V. Torgerson), 13714 Corliss Ave., Seattle 33, Wash.
- LARKSPUR. Larkspur Hill Iris Gardens, (Mrs. Mable Framke), 336 S. Casselman, Sioux City, Ia.
- MAXWELL-A., and I. T. G. now at Route 1, Terrace Heights, Yakima, Wash.
- MAY-MRS. Mrs. L. E. May, (iris breeder), River Grove, Ill.
- MILTON-DR. Dr. William T. Milton, (iris breeder), 29 West Mount Road, Eltham, London, S.E. 9, England.
- MOD. IRIS G. Modern Iris Gardens, (Robert J. Rakow), 411 Bluff St., Sioux City, Iowa.
- MOTTER. Mrs. Robert Motter, (iris breeder), Rt. 2, Smyrna, Ga.
- NINE HEARTHS. Nine Hearths (Mrs. S. P. Rawlins), (introducing her own seedlings), 1244 Park St., Bowling Green, Ky.
- PAC. I. GARD. Pacific Iris Gardens, 205 West Walnut Ave., Arcadia, Calif.
- RANDOLPH-L. Dr. L. F. Randolph, (Chem., A.I.S. Scientific Committee, iris breeder), Department of Botany, N.Y. State College of Agriculture, Cornell University, Ithaca, N.Y.
- REES-G.N. Mr. George N. Rees, (iris breeder and Poet Laureate of Ozarkland), R. L. Nixa, Mo.
- RICHARD-MRS. Mrs. Joe G. Richard, (collector of native irises), University Station, Baton Rouge 3, La.
- RICHARDS - R. E. Miss Rosamonde E. Richards, (iris breeder), 837 S. 32nd Street, Lincoln 8, Neb.
- RIGGS. Mr. Edmond Riggs, etc., (1907-), etc., (corr. A.I.S. Bull. **97**: 49).
- RUNDLETT. Mr. Edwin Rundlett,

- (iris breeder), 1 Fairview Ave., Staten Island 14, N.Y.
- SIMON-G. Mr. G. H. Simon, (iris breeder), 18 West Tucker, Shelby, Ohio.
- SMITH-H.R. Mr. Harold R. Smith, (iris breeder), 321 S. Highland St., Du Bois, Pa.
- SPEED. Mrs. Irene Speed, (iris breeder), Jeffersontown, Ky.
- STERLING. Sterling Iris Gardens, Kansas City, Mo., (will list Ulrich's irises).
- TOMALIN. Mrs. F. W. Tomalin, Winding Wood, Cove Road, Fleet, Hants., England (iris breeder); (address change).
- TUTHILL. Miss Gretchen Tuthill, Bird-In-Hand Gardens (irises), Carlsbad, Calif.
- WEIDNER. Mr. Earl Weidner (1889-); (Professional organist on Tone Tapestry, Mutual Sun; Accredited Judge A.I.S.; (iris breeder), 795 Salem St., Malden 48, Mass.
- WHITE-A. Mrs. David K. (Alice) White, (iris breeder), Rt. 1, Box 260, Fall Brook, Calif.
- WISE. Mr. Charles Wise, (iris breeder), Wakarusa, Ind.

REGISTRATIONS, APPROVALS, UNAPPROVED, UNDER INVESTIGATION, CORRECTIONS AND SYNONYMS FOR 1949

- ADELAIDE BRADFORD. Vinic-B9M (Clark-H. N.); R., 1949; (CONTRAST x MARY S. DEBAILLON).
- *ADELAIDE SMITH. Etc.; (Gers. N.); R., 1936; etc.
- ADRIFT. TB-MLA-W4 (Naylor N.); R., 1949; (ORMOHR x WINTER CARNIVAL); ☐ none.
- AFTON WATER. TB-M-B1M (Miles N.); R., 1949; (Fr 2 Sdlgs.; (TYPHOON x LAGOON) x (TYPHOON x LAGOON)); ☐ M.
- AIRY BLUE. TB-M-B1L (Howe-O. N.); R., 1949; ((NOONDAY SKY x VIOLET SYMPHONY); ☐ sl.
- AIRY SHELL. TB-EM-Y9L. (Long B.R. N.); R., 1949; (P. Sdlg. x RHONA); ☐ str.
- AKANAX. TB-VLa-B1L (Long-B.R. N.); R., 1949; (CELIA GRANT x GREAT LAKES); ☐.
- ALABANDA. TB-M-S7D (Long-B. R. N.); R., 1949; (Pi Sdlg. x CHILDHOOD); some ☐.
- ALEXIS. TB-E-R7L (Walker N.); R., 1949; (ARCTIC x CHINA MAID); No. 2-46; ☐ str. sw.
- ALLINE ROGERS. Etc.; (Klein.) H.C., A.I.S. 1949; A.I.S. Bull. 115:7. Oct. 1949.
- ALLRED. TB-M-R7D (Loth. N.); R., 1949; (OLD ROSE x BABS).
- ALTITUDE. TB-M-S7M (Luebben 1949); Daft 1949; R., 1949; (EROS x SIERRA BLUE); ☐ none.
- AMBER BEAM. TB-M-S4M (Millik. 1949); Millik. Gard. 1949; R., 1949; (E. B. WILLIAMSON x DAYBREAK); ☐ mild sw.
- AMETHYST VELVET. TB-ME-B7M (Gates N.); R., 1949; (SAN DIEGO x NARANJA); ☐.

- AM I BLUE. TB-M-B1M (Schirmer-H. N.); R., 1949; (fr 2 Sdlgs. inbred several generations from (BLUE VICTORY x PALE MOONLIGHT); ☐.
- ANACONDA COPPER. TB-M-S6M (Smith-K. N.); R., 1949; (MATULA x ORANGE GLOW); No. 5-5.
- ANATOLIA. TB-M-R2L (Craig-T. 1949); R., 1949; ((TIFFANY x LOS ANGELES) x (CAPITOLA)).
- ANGELITA. Tab-M-W8 (White-A. N.); R., 1949; (————— x SANS SOUCI); ☐ Table Iris.
- ANNABET. TB-M-R4L (McKee N.); R., 1949; (((No. 4011 cream x MELITZA) x (HALL 4207)) x (MIOBELLE x HALL 4207)) x (Hall 4207); ☐ sl.
- *ANODYNE. Etc.; (Gers. N.); R., 1935; etc.
- ANZA. TB-M-R4D (Mit. N.); R., 1949; (No. 0-31 Y. Plic x SULTAN'S ROBE); No. 5-47-1; ☐ none.
- APRICOT GLORY. Etc.; (Muhl.); H. C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- *APRIL. Etc.; (Loth. N.); R., 1930; etc.
- APRIL. TB-M-B3D (Loth. N.); R., 1949; (ESQUIRE x MANOAH); No. 48-14.
- APRIL TAN. TB-M-Y7D (Rees N.); R., 1949; (SNOW FLURRY x HAPPY DAYS); ☐.
- ARABIAN NIGHTS. TB-M-R4M (Whiting 1949); R., 1948; ((MARISHA x AMITOLA) x (CHINA MAID)) x (FAR WEST x MATULA); No. 4510; (released by Mrs. W. R. Stevens). (Delete data in Bull. A.I.S. **113**:99. Apr. 1949.)
- ARMIGER. TB - M - La - S4M (Long-B.R. N.); R., 1949; ((MARETH) x (HUGUETTE x —————)) x (MARY SHORE); ☐ sl.
- AURORA LIGHTS. TB-M-Y8M (Stevens-W.R. N.); R., 1949; ((NARANJA x FIRELIGHT) x (TIFFANY); No. 7/T147.
- AUTUMN BROWN. TB-La-S4D (Lowery N.); R., 1949; (ABERDEEN x BRYCE CANYON); No. L6-14; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- AZTEC INDIAN. TB-EM-R6M (Buss N.); R., 1949; (BROWN THRASHER x GYPSY).
- *BABE. Etc.; (Gers. N.); R., 1937; etc.
- BABY SIS PINK. Fulv-D-R7L (Richard-Mrs. N.); (collected in Prairieville, La.); R., 1949.
- BABY TARZAN. IB-E-Re-R1D (Smith-H.R. N.); R., 1949; (ELEANOR ROOSEVELT x Sass 1930 cream Sdlg.); ☐ none.
- *BALLAD. Etc.; (Gers. N.); R., 1938; etc.
- BALLAD. TB-MLa-R7L (Tompkins N.); R., 1949; ((SNOQUALMIE x FLORA ZENOR) x (MATULA x Loomis Q 51)).
- BALLET DANCER. TB-M-Y7M (Klein. 1949); Cooley 1949; R., 1949; (CHAMOIS x CASCADE SPLENDOR); ☐; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5; Oct. 1949.
- BANKSIDE. TB-M-R6D (Randall N.); R., 1949; (BLOOD CARNEL-

- IAN x ORANGE GLOW); Selected for Trial at Wisley, 1949.
- BARGAIN DAY. TB - La - R6D (Mit. N.); R., 1949; ((SEDUC-TION x No. 4-6y Sdlg.) x (SIEG-FRIED)); No. 0-165; ☐ sl.
- BAYOU SUNSET. Etc.; (MacMil-lan 1947); Etc.; Mary Swords Debaillon Award, A.I.S. 1949; A.I.S. Bull. **115**:74. Oct. 1949.
- BAY STATE. Etc.; (Corey 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- BEAUTY SPOT. Etc.; (Marx); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BELLE AMIE TB-M-Y4L (Ohl N.); R., 1949; (TIFFANY x GOLDEN FLEECE).
- BELLERIVE. Etc.; (Benson-C.W.); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7; C. C., A.I.S. Bull. **115**:8. Oct. 1949.
- BILLY MAC. Vinic-R1M (Mac-Millan N.); R., 1949; (gigan-ticaerulea type, parentage un-known); T.G. No. 49-10.
- BLACK MASS. TB - M - R1D (Tompkins N.); R., 1949; ((THE INTRUDER x BLACK VALOR) x ((SABLE x THE RAVEN) x (STORM KING))); ☐ none.
- BLACK RUBY. Etc.; (Dolman 1949); Cooley 1949; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BLACK SATIN. (No. 46-55-A); Etc.; (Nesmith); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- BLIZZARD. Etc.; (K n o w l t o n 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BLUE ANGEL WINGS. Etc.; (McKee 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BLUE BLAZES. TB - M - B1M (Welch N.); R., 1949; ((B50: (GUDRUN x EASTER MORN)) x (GREAT LAKES)); No. F34; C.C., A.I.S. 1949; A.I.S. Bull. **115**:8. Oct. 1949.
- BLUE BUD. Spur-M-B1M (Nies N.); R., 1949.
- BLUE CAYUGA. TB - M - B1M (Randolph-L. N.); R., 1949; (BLUE SHIMMER x GREAT LAKES); ☐.
- BLUE ELEGANCE. Etc.; (Jory 1948); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- BLUE HUSSAR. TB - M - B3D (Tomalin 1949); Ast. Nurs. 1949; (SOUV. DE MME. GAUDI-CHAU x —————); ☐ str.
- BLUE MASCOT. Etc.; (Marx 1947); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BLUE OF THE WEALD. TB-M-B1L (Milton-Dr. N.); R., 1949; (((MRS. VALERIE WEST x DAL-MATICA) x (Sdlg. x DEPUTE NOMBLOT)) x (MIZA)) x (DE-PUTE NOMBLOT)); Silver Medal, The Iris Society (Eng.) 1949.
- BLUE OX. TMB-M-B1L (Craig-T. 1949); R., 1949; (ACROPOLIS x a White Oncobred).
- BLUE RIM. Etc.; (Larsen 1948); Muhlestein 1948; etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- BLUE VALLEY. Etc.; (Smith-K.

1947); etc.; A.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.

BLUE YONDER. TB-M-B1L (Jonas N.); R., 1949; (SNOW FLURRY x seashell Pi Sdlg. No. 1645); No. 87-1; ☐ sl.sw.

BLUMOHR. Etc.; (Marx 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.

*BOLERO. Etc.; (Gers. N.); R., 1934; etc.

BORN YESTERDAY. TB-M-Y8M (Mit. N.); R., 1949; (Y Plic Sdlg. x Sass 57-38); No. 6-141-1; ☐ sl.

BRASS BAND. TB-M-Y7M (Whiting N.); R., 1949; (((MATULA x CALIFORNIA GOLD) x (GOLDEN SPIKE)) x (VEISHEA)).

BRIARWOOD PUNCH. Vinic-S7M (Conger N.); R., 1949; (parentage unknown).

BRIGHT HOUR. TB-M-W3D (Douglas-G. N.); R., 1949; ((Cook 129-42) x (EXTRAVAGANZA x WABASH)); No. 827-A; ☐ some.

BUMBLEBEE. TB-EM-Y4D (Baker-O.M. N.); R., 1949; (GOLDEN MAJESTY x a bee); No. 47-80.

BUNTHORNE. TB-M-Y6D (Benson-C.W. N.); R., 1949; (HAPPY DAYS x REBELLION); ☐ none.

BURNT AGATE. TB-M-R4D (Mt. Upton N.); R., 1949; (NARANJA x ORLOFF); ☐ sl.

CADENCE. TB-M-Y1D (Long-B. R. N.); R., 1949; (Pi Sdlg. x Rhona); ☐ v. sl.

CADET BLUE. TB-M-B1M (Whit-

ing 1949); Maple Valley 1949; R., 1949; (ANNABEL x BLUE ZENITH); No. 4333; ☐ lo.

CAHOKIA. Etc.; (Faught 1948); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.

CALDERA. TB-M-S4M (Corey N.); R., 1949; (GRAND CANYON x MAJENICA); No. 22H-1; ☐ sl.

CALIFORNIA FAIRY. Cal-E-Y9M Johnson-R.H. N.); R., 1949; (Cream *douglasiana* x purple figured *douglasiana*).

CANDLES. Vinic-R9D (Dormon N.); R., 1949; (chance Sdlg.).

CAPTAIN FLINT. TB-M-R1D (Dolmon N.); R., 1949; ((LUDMILLA) x (CYRUS THE GREAT x SABLE)); No. 380; ☐ gr.

CAPTIVATION. TB-M-La-Y8L (Tompkins N.); R., 1949; (((Sass No. 119-39 x MADAME LOUIS AUREAU) x (NASSAK)) x (BLUE SHIMMER x MADAME LOUIS AUREAU)); ☐ sp.

CARABELLA. Etc.; (DeForest 1949); etc.; corr. parentage to read ((MELITZA) x (Sdlg. No. 6-44: ((Salar x Sandia) x (Prairie Sunset))); see A.I.S. Bull. **108**:134. Jan. 1948. H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949 .

CAROLE CABEEN. Cal-M-W7 (Nies 1949); Lyon Iris Gard. 1949; R., 1949; (ORCHID SPRITE x AGNES JAMES).

CAROL HARKER. TB-M-La-B6L (Naylor N.); R., 1949; (AZURE SKIES x W. Sdlg.); ☐ str.

CELESTAR. TB-M-W3L (Larsen N.); R., 1949; (((Los AN-

- GELES) x ((DON JUAN x TITAN) x (SAN FRANCISCO))) x (ALDURA) x (TIFFANY)); No. 47-19; ☐ pl.; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- CENTURION. TB-EM-S4D (Wills N.); R., 1949; (HINDU QUEEN x TOBACCO ROAD); No. 19-46; ☐ sl.; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- CHAR-MAIZE. Etc.; (L y o n 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- CHERIE. Etc.; (Hall-D. 1948); etc.; A.M., A.I.S. 1949, A.I.S. Bull. **115**:5 Oct. 1949.
- CHEROKEE CHIEF. Spur-E-M-S4D (Nies N.); R., 1949.
- CHERRY FALLS. TB-M-Y9M (Douglas-G. N.); R., 1949; ((EXTRAVAGANZA x PAILLAISSE) x (EXTRAVAGANZA x WABASH)); No. 806; ☐ some.
- CHIEF RED CLOUD. TB-M-R4D (Luebben 1949); Daft 1949; R., 1949; (HAPPY DAYS x COPPER LUSTRE); ☐ none.
- *CHILLOTTA. Etc.; (Gers. N.); R., 1937; Etc.
- CHINOOK PASS. TB-M-B3L rev. (Norton-L. N.); R., 1949; (SYLVIA MURRAY x GLORIOLE); ☐ sl.
- CHIQUITA. Etc.; (Knowlton); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- CLAIMANT. TB-M-R7M (Allen-R.E. N.); R., 1949; (ALARM x MONADNOCK); ☐ none.
- CLAMOR. TB-M-Y9D (Allen-R.E. N.); R., 1949; (ALBEMARLE x STATEN ISLAND); ☐ none.
- CLARICE. BB-M-B1L (Allen-R.E. N.); R., 1949; (ALBERTA x DISTANCE); ☐ sl.
- CLARITY. TB-E-Y1L (Allen-R.E. N.); R., 1949; (SUNGOLD x AMANDINE); ☐ narcissus.
- CLAUDINE CRAWFORD MEYER. TB-M-R4L (Speed N.); (MOROCCO ROSE x ———).
- CLEARING SKIES. BB - E-Re - S9L (Wise 1949); R., 1949; (AUTUMN KING x AUTUMN SUNSET); ☐ M.
- CLEAR SAILING. Etc.; (DeForest); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- *CLEO ANN. Etc.; (Gers. N.); R., 1939; etc.
- CLOSE HARMONY. TB-M-La-Y4M (Weidner N.); R., 1949; (BALMUNG) x (B Plic Sdlg. from (SAN FRANCISCO x TIFFANY)); ☐ sl. le.
- CLOUD CASTLE. Etc.; (Graves 1944); etc.; A.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- COGNAC. TB-M-S4M (Whiting N.); R., 1949; (PRAIRIE SUNSET x VEISHEA); No. 4677; ☐ wine.
- COIN GOLD. TB-M-Y4D (Schirm-er-H. N.); R., 1949; ((fr 2 Y Sdls: (No. 46-9 x No. 46-1))).
- COLONIAL DAME. BB-LaM-B1L (Douglas-G. N.); R., 1949; (BILLET - DOUX x GREAT LAKES); No. 757A; ☐ some; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7 Oct. 1949.
- COLOR CARNIVAL. TB-M-R4L (DeForest 1949); Irisnoll 1949; R., 1949; (SPINDRIFT x Sdlg. No. 6-44).
- COMPETITOR. TB-M-Y8M (Loth. N.); R., 1949: (parentage unknown).

- CONCINNA. TB-M-R9M (Loth. N.); R., 1949; ((BROWN BETTY x MISS SALLY) x (FORT KNOX)); No. 45-28.
- CONGERS. TB-M-R1D (Cassebeer N.); R., 1949; (TENAGRA x SABLE); No. 192.
- CONSOLATION. TB - MLa - B1M (Tompkins N.); R., 1949; ((THE ADMIRAL x SEA BLUE) x (BLUE RHYTHM)).
- CONTENT. TB - M - Y4L (Loth. N.); R., 1949; (HILLS OF GOLD x No. 45-21); No. 48-9.
- COOL WAVE. TB-E-W3L (Johnson-E. N.); R., 1949; (SWEET ALIBI x DIRECTEUR PINELLE); ☐ sl.
- COPPER KETTLE. TB-M-R4D (Whiting N.); R., 1949; ((MATULA x GARDEN MAGIC) x (PRAIRIE SUNSET Sdlg.)); No. 419; ☐ sp.
- CORPORAL MARY. Etc.; (Graves 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.
- COR UNUM. TB-M-Y6L (Herbert-W.I. N.); R., 1949; ((GOLDEN HIND) x (Helios (Cay.) x (W. R. DYKES)); ☐ sl.
- COUNSELLOR. TB-M-Y4D (Tomalin 1949); Ast. Nurs. 1949; R., 1949; (CANDLELIGHT x ALICE HARDING); ☐ sl.
- CRACKERJACK. TB - M - S4M (Loth. N.); R., 1949; (ELENA CHOOSING x CASA MORENA).
- *CROWN GLORY. Etc.; (Gers. N.); R., 1934; etc.
- CRYSTAL CHARM. Sib - WW (Scheffy 1948-49); Lark Meadows 1948-49; R., 1949.
- DAPHNE PINK. TB-M-S7M (Millik. 1949); Millik. Gard. 1949; R., 1949; (fr two Pi Sdlgs.); ☐ none.
- DARK DAWN. TB-La-S9D (Barnewitz N.); R., 1949; (UKIAH x MELDORIC); ☐ sp.
- DARK FIRE. TB - MLa - R4D (Tompkins N.); R., 1949; (((SONNY BOY x ALBERT GERSDORFF) x (CAPE BON)) x (EBONY ECHO)); ☐ none.
- DARK MOOD. TB-M-R7D (Buss N.); R., 1949; (SABLE x——).
- DARK TOWER. TB-E-B1D (Mit. N.); R., 1949; (SNOW FLURRY x CHIVALRY); No. 6-15-2; ☐ good.
- DESERT SONG. Etc.; (Fay 1946); etc.; A.M., A.I.S. 1949; A.I.S. Bull. 115:5. Oct. 1949.
- DISTANCE. Etc.; (Cook 1946); etc.; A.M., A.I.S. 1949; A.I.S. Bull. 115: 5. Oct. 1949.
- DIXIE DREAM. TB-MLa-R7D (Rees-G.N. N.); R., 1949; (DEPUTE NOMBLOT x REDWING); ☐ sp.
- DON FELIPE. TB-La-Y9M (White A. N.); R., 1949; (CAMELIARD x DEPUTE NOMBLOT); ☐ sl.
- *DONILDA. Etc.; (Gers. N.); R., 1939; etc.
- DRAGON WING. TB-M-La-S4D (Long-B.R. N.); R., 1949; ((Br Sdlg.) x (NEPENTHE x TREASURE SHIP)); ☐ some.
- *DREAM ALONG. Etc.; (Muhle. N.); R., 1945; etc.
- DREAM ALONG. TB-E-La-S7M (Muhle. N.); R., 1949; (DAYBREAK x THREE OAKS); No. 46-119A; ☐.

DRIFTED SNOW. TB - M - WW
(Klopf N.); R., 1949; (GUD-
RUN x SNOW FLURRY); ☐ str.
DUTCH BOY. TB-E-W1 (Douglas-
G. N.); R., 1949; (STELLA
POLARIS x CATHEDRAL DOME);
No. 301A; ☐.

DUTCH DEFIANCE. Etc.; (Nies
1943); Etc.; A.M., A.I.S. 1949;
A.I.S. Bull. **115**:5. Oct. 1949.

EARLY CHEER. IB-E-Y4M (Ran-
dolph-L. N.); R., 1949; (GOLD-
EN HIND x ORANGE QUEEN); ☐
none.

EASTER-MOHR. TB - LaM - B1L
(Weidner N.); R., 1949; (WIL-
LIAM MOHR x EASTER MORN);
☐.

EBONY ECHO. Etc.; (Tomp-
kins); etc.; H.M., A.I.S. 1949;
A.I.S. Bull. **115**:6. Oct. 1949.

*EBONY ISLE. Etc.; (DeForest
N.); R., 1943; etc.

EBONY ISLE. TB-La-R1D (De-
Forest 1949); Irisnoll 1949; R.,
1949; (ETHIOP QUEEN x STORM
KING); ☐.

EDITH KEMP. BB - M - W8L
(Small-R. N.); R., 1949; (Hall
42-05 x Loomis-Ohl 30); ☐
none.

EDITH LAURA. TB - M - W2M
(Mit. N.); R., 1949; (Plic
Sdlg. 0-24 x Wayfarer); No. 4-
63; ☐ sl.

ELIZABETH OF ENGLAND. TB-
La-B1L (Miles N.); R., 1949;
(TYPHOON x LAGOON); ☐; sent
out on trial as PB.

*ELLEN LEAF. Etc.; (Gers. N.);
R., 1940; etc.

EL PASO. TB-E-S4M (Klein.
1949); Cooley 1949; R., 1949;

(TOBACCO ROAD x GOLDBEAT-
ER); ☐ none.

*EMBOSSED VELVET. Etc.; (Gers.
N.); R., 1937; etc.

*EVENSONG. Etc.; (Mor. N.);
R., 1928; etc.

EVENSONG. TB - EM - La - B7M
(Frazee N.); R., 1949; (N. J.
THOMAS x Y Sdlg. fr W. R.
DYKES); ☐ sw. lo.; C.C., A.I.S.
1949; A.I.S. Bull. **115**:8. Oct.
1949.

FABULOUS KATE. TB-E-M-Y4M
(Muhle. N.); R., 1949; ((LATE
SUN x RADIANT) x (PINK FORM-
AL)); No. 48-60A ☐.

FAIRDAY. Etc.; (McKee 1949);
etc.; H.M., A.I.S. 1949; A.I.S.
Bull. **115**:6. Oct. 1949.

FANFARONADE. TB - EM - S7L
(Peckham N.); R., 1949;
(GOLDEN EAGLE x MOUNT
CLOUD); No. 46-26-1-49.

FANTASY. Etc.; (Hall-D. 1947);
etc.; A.M., A.I.S. 1949; A.I.S.
Bull. **115**:5. Oct. 1949.

FAR FLUNG. TB-M-R6D (Mt.
Upton N.); R., 1949; (CORONA
x ORLOFF); ☐ m.

FELUCCA. TB-MLa-W9D (Peck-
ham N.); R., 1949; (PRIMA-
DONNA x GREAT LAKES).

*FENG LOO. Etc.; (Gers. N.);
R., 1939; etc.

FIRST LADY. TB - M - La - WW
(Johnson-Ruth N.); R., 1949;
(parentage unknown).

FLAMINGO ROAD. TB-M-R4M
(Tompkins N.); R., 1949
(((FLORA ZENOR x Loomis SQ
72) x (FLORA ZENOR x FAR

- WEST)) x (Hall No. 42-10)) ;
☐ w.r.
- *FLIGHT LEADER. Etc.; (Whiting N.) ; R., 1944; etc.
- FLIGHT LEADER. TB-M-B1M (Whiting N.) ; R., 1949; ((BLUE MONARCH x BLUE TRIUMPH) x (GREAT LAKES)) ; No. 458; ☐ lo.
- FLOOR OF HEAVEN. TB-M-La-B1L (Long-B.R. N.) ; R., 1949; (CELIA GRANT x GREAT LAKES) ; ☐.
- FLORAL WINE. TB - M - R1D (Whiting 1949) ; Maple Valley 1949; R., 1949; (MATA HARI x SMOLDER) ; No. 4065; ☐ gr.
- FLOREA. TB-M-S4M (Loth. N.) ; R., 1947; ((PAINTED DESERT) x ((FIESTA x CHOSEN) x (MISS SALLY))) ; corr. Bull. **108**:138. Jan. 1948.
- FLORESQUE. TB-M-R7L (Small-R. N.) ; R., 1949; (Loomis' SQ 54 x FLORA ZENOR) ; ☐ none.
- FLURRY MOHR. TB-E-M-B7M (Rees N.) ; R., 1949; (SNOW FLURRY x CAPITOLA).
- FORERUNNER. TB-E-Re-R9D to R9M (Lap. N.) ; R., 1949; ((ROSALBA x OPERA: No. X-1) x (Red Ray)) ; ☐ R. clover.
- FORTY NINER CENTENNIAL. TB-La-S6D (Barnewitz N.) ; R., 1949; (SUMMER DAY x BENECIA LASS) ; ☐ sp.
- FRANCES FISHER. TB-M-W2D rev (Small-R. N.) ; R., 1949; (GYPSY x GRACE BALLARD) ; ☐ sl.
- FUGUE. TB-M-S7M (Whiting N.) ; R., 1949; (MIRABELLE x CEDAR ROSE) ; No. 4655; ☐ lo.
- FURY. TB-La-R4D (Long-B.R. N.) ; R., 1949; (BLOOD CARNELIAN x TYRANT) ; ☐.
- GALA CANARY. TB - M - Y8D (Roberts-Mrs. N.) ; R., 1949; (TIFFANY x ROYAL COACH).
- GALA FINALE. Etc.; (DeForest) ; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- GALA GIRL. TB-M-Y9M (Tomalin 1949) ; Ast. Nurs. 1949; (ROMOLA x MRS. F. W. TOMALIN) ; ☐ str.
- *GALENAIA. Etc.; (Gers. N.) ; R., 1936; etc.
- GALWAY BAY. TB - MLa - B1M (Tompkins N.) ; R., 1949; (CAMPANULA x WINDSOR) ; ☐ pl.
- GAY BORDER. Etc.; (DeForest 1949) ; etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- GAY COMPANION. BB-M-S9D (Whiting 1949) ; Maple Valley 1949; R., 1949; (GARDEN GLORY x ROUGE BOUQUET) ; No. 4279; ☐ gr.
- GAYLORD. TB-VLa-W3M (Douglas-G. 1949) ; Fair. 1949; R., 1949; (EXTRAVAGANZA x WABASH) ; No. 635-D; ☐ some; H.C., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- GAY ORCHID. Etc.; (Muhle. 1949) ; etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- GEORGIA HILL. TB - M - R9D (Motter N.) ; R., 1949; (INDIAN CHIEF x ———).
- GHOSTIE. TB-M-W2 (Craig-T. 1949) ; R., 1949; (MADAME LOUIS AUREAU x TIFFANY).

GOLDCRAFT. TB-M-Y4D (Whiting 1949); Maple Valley 1949; R., 1949; ((SACRAMENTO x SIEGFRIED) x (CLOTH OF GOLD)); No. 4350; ☐ lo.

*GOLDEN BELLS. Etc.; (Gers. N.); R., 1937; etc.

GOLDEN CLAYMORE. TB-M-Y7M (Small-R. N.); R., 1949; (WHITE CITY x GOLDBEATER); ☐ none.

GOLDEN CLOUD. TB-M-Y6D (Millik. 1949); Millik. Gard. 1949; R., 1949; (CHINA LADY x DIXIE SUNSHINE); ☐ v. sl.

GOLDEN HAWK. TB-M-La-Y4L (Smith-K. N.); R., 1949; ((CASCADE SPLENDOR) x (No. 1-53 x SPUN GOLD)); No. 8-10; ☐ none.

GOLDEN RUFFLES. Etc.; (Taylor-C.C.); etc.; A.M., A.I.S. 1949; A.I.S. Bull. 115:5. Oct. 1949.

*GOLD INLAY. Etc.; (Gers. N.); R., 1937; etc.

GOLD SOVEREIGN. TB-M-Y4D (Whiting 1949); R., 1948 as **Gold Nugget**.

*GOLD TOKEN. Etc.; (Gers. N.); R., 1937; etc.

GRATITUDE. Etc.; (Snyder); H.C., A.I.S. 1949; A.I.S. Bull. 115:7. Oct. 1949; C. C., A.I.S. 1949; A.I.S. Bull. 115:8. Oct. 1949.

GREEN MOHR. TB-M-La-Y3M (Muhle. N.); R., 1949; (WILLIAM MOHR x CHOSEN).

GREEN WHISPER. TB-M-WW (Button-J. N.); R., 1949; (MATTERHORN x JAKE); ☐ sl.

GUIDING STAR. TB-M-Y7D

(Tompkins N.); R., 1949; ((DAMASCUS x ROCKET) x (ACADIA x DAMASCUS)).

GYPSY ROSE. Etc.; (Whiting 1946); etc.; H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.

HANADA. TB-M-R4L (Cassebeer N.); R., 1949; (CALIFORNIA PEACH x HOOSIER SUNRISE); No. 181.

HEARTSEASE. TB-M-B1M (Corey N.); R., 1949; (ALINE x GREAT LAKES); No. 89-1; ☐ str.

HEAVENSLEA. TB-M-B4L (Mur. N.); R., 1949; (WHITE CITY x BLUE ENSIGN); 2nd prize Kent Group Sdlg. Show 1949.

HEIGHO. Etc.; (Craig 1949); H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.

HELEN COLLINGWOOD. TB-LaM-R3D (Smith-K. N.); R., 1949; (EXTRAVAGANZA x LOUISE BLAKE); No. 6-6.

HELEN FITZGERALD. Etc.; (Thorup 1948); Muhlestein 1948; H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.

HELEN MCGREGOR. Etc.; (Graves 1943); etc.; Dykes Medal, A.I.S. 1949; A.I.S. Bull. 115:4. Oct. 1949.

HELEN SMITH. Etc.; (Arceneaux); C.C., A.I.S. 1949; A.I.S. Bull. 115:8. Oct. 1949.

HERITAGE. Etc.; (Hall-D. 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.

HIBARNEY. TB-M-W2D rev. (Dolman N.); R., 1949; (LOS ANGELES x LADYLIKE); No.

411; ☐ sl.
 HIDDEN VALLEY. TB-E-W4
 (Naylor N.); R., 1949; (ELSA
 SASS x WINTER CARNIVAL); ☐
 sl.
 HIGH SEAS. TB-E-La-WW (Corey
 N.); R., 1949; (SNOW FLURRY
 x CLOUD CASTLE); No. 19J-1;
☐ none.
 Holleyman's Blue. Etc.; (Holley-
 man-G.W.); C.C., A.I.S. 1949;
 A.I.S. Bull. **115**:8. Oct. 1949.
 Garden name not eligible for
 registration.
 HOOGIE BOY. Etc.; (Muhle.
 1949); etc.; H.M., A.I.S. 1949;
 A.I.S. Bull. **115**:6. Oct. 1949.
 HURRICANE. TB-M-B1L to B2L
 (Craig-T. 1949); R., 1949;
 (PURISSIMA x CAPITOLA); No.
 6172; H. C., A.I.S. 1949; A.I.S.
 Bull. **115**:6. Oct. 1949.
 ICHOR. TB-EM-R4D (Long-B.R.
 N.); R., 1949; ((BLOOD CAR-
 NELIAN) x (NEPENTHE x TREAS-
 URE SHIP)); ☐.
 *ILDICO. Etc.; (Gers. N.); R.,
 1934; etc.
 ILLINOIS SUNSHINE. Etc.;
 (Faught); etc.; H.M., A.I.S.
 1949; A.I.S. Bull. **115**:6. Oct.
 1949.
 *IMBERBE. Etc.; (Gers. N.); R.,
 1935; etc.
 IMPRIMATUR. TB-M-S6D (Long-
 B.R. 1948); Wal. 1948; R.,
 1949; (Sdlg. x LOUVOIS).
 INDIAN RED. TB-M-R6M (Hall-
 H. 1949); Fair. 1949; R., 1949;
 (H. Hall No. R-64 x COLOR
 SERGEANT); No. 5-104; ☐ none.
 IRISH LACE. BB-M-W1 (Small-

R. N.); R., 1949; (((Covert
 Sdlg.: (SNOWKING x LADY PARA-
 MOUNT)) x ((Ramsey Sdlg.:
 (GUDRUN x ALTA CALIFORN-
 IA)))); No. 46-179-1; ☐ none.
 JACK FROST. TB-M-WW (Corey
 N.); R., 1949; ((SNOW FLUR-
 RY) x (GLORIOLE x SHINING
 WATERS)); No. 211-I-6; ☐
 sl.
 JILL. TB-M-B1L (Dolman N.);
 R., 1949; (SIBLEY x CHIV-
 ALRY); No. 443; ☐.
 JOE MAC. Vinic-B7M (Richard;
 MacMillan N.); (Collected in
 Abbeville area in 1938); R.,
 1949; No. T.G. 49-13; *giganti-
 caerulea* type.
 JORDANS. TB-M-Y4D (Randall
 N.); R., 1949; (GOLDEN DAYS
 x Y Sdlg.).
 JUNIOR MISS. BB-M-Y1L
 (Graves N.); R., 1949; (NA-
 RANJA x LADY PARAMOUNT);
 No. 39-27; ☐ none.
 JUSTINE. TB-M-WW (Weidner
 N.); R., 1949; (W Sdlg.: (PU-
 RISSIMA x GREAT LAKES) x
 (MOUNT WASHINGTON)); ☐ sl.
 *KAI SOO. Etc.; (Gers. N.); R.,
 1939; etc.
 *KALOLA. Etc.; (Gers. N.); R.,
 1934; etc.
 KATRINA NIES. Spur-M-B1M
 (Nies N.); R., 1949.
 KATHY FISCUS. TB-M-B7D
 (Davis-W.B. N.); R., 1949;
 (sport of SAN GABRIEL); ☐ str.
 *KHALED. Etc.; (Gers. N.);
 R., 1933; etc.

- *KHANSA. Etc.; (Gers. N.); R., 1935; etc.
- KILROY. TB-M-La-Y7D (Loth. N.); R., 1949; (ELENA CHOOSING x No. 45-8).
- KING GEO. VI. TB-M-R4M (Ayllett 1948); R., 1949; (INSPIRATION Sdlg. x KING TUT); ☐ sl.
- KIWANIS. TB-La-S7M (Barnewitz N.); R., 1949; (MIDWAY x STAINED GLASS); ☐ sp.
- LADY ALBRIGHT. TB-M-La-S9D (Muhle. N.); R., 1949; (VEISHEA x BRONZED COPPER); No. 46-105; ☐.
- LADY CHARLOTTE. TB-M-Y4D (Ryle N.); R., 1949; (GUDRUN x ALINE).
- LADY DOZIER. TB-E-MLa-B1M (Dozier N.); R., 1949; (ORMOHR x BRUNHILDE); No. 47-66; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- LADY EDITH. TB-M-WW (Buniaux N.); R., 1949; (KATHERINE FAY x AZURE SKIES); No. 47-8B; ☐ sl.
- LADY IN BLUE. TB-EM-B1L (Hope N.); R., 1949; (BUECHLEY GIANT x GREAT LAKES).
- LADY MAURINE. TB-M-R7L (Ryle N.); R., 1949; (fr two Sdls.).
- LADY RUFFLES. TB-M-WW (Schirmer-H. N.); R., 1949; (SNOW FLURRY x Sdlg.); No. 14A; ☐ sl.
- *LALUA. Etc.; (Gers. N.); R., 1934; etc.
- LAMBENT. TB-M-Y9D (Long-B. R. 1948); Wal. 1949; R., 1949; ((ETERNAL CITY x EL TOVAR) x (CHILDHOOD)).
- LANTANA. TB-M-R4M (DeForest N.); R., 1949; (SPINDRIFT x Sdlg. No. 6-44).
- LA PLAYA. TB-E-S4L (Mit. N.); R., 1949; (SULTAN'S ROBE x Sdlg.); No. 4-20; ☐ sl.
- LAURA. TB-E-Y4D (Stern N.); R., 1949; (FESTIVE x GOLDEN HIND); ☐ sl.; Selected for Trial at Wisley 1949.
- LAVENDER DELIGHT. TB-E-B7M (Akins N.); R., 1949; (BUECHLEY GIANT x Sdlg.); ☐ sl.
- LEADING LADY. Etc.; (Lyell); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- LE CYGNE. TB-M-WW (Baumann N.); R., 1949; (Sdlg. x ILLINOIS SUNSHINE).
- LELA DIXON. TB-E-M-W2M (Douglas-G. N.); R., 1949; (BLUE SHIMMER x SNOW CRYSTAL).
- L. E. MAY. TB-M-WW (May-Mrs. 1949); Murawska 1949; R., 1949; (GUDRUN x ———).
- LIBERATOR. TB-M-W6D rev. (Smith-K. N.); R., 1949; ((CHOSEN x Sass' No. 28-34) x ELSA SASS)); No. 5-32.
- LINDA LEACH. Vinic-R7L (Macmillan N.); R., 1949; (parentage unknown); (*giganticaerulea* influenced by *fulva*); T.G. No. 49-12.
- LITTLE LAKE. MB-E-B1M (Muhle. N.); R., 1949; (J. Sass OP 35-9, a *hoogiana* x CHIVALRY). A Regelia x Pogon hybrid.
- LLOYD CLOSS. TB-M-La-W8L (Closs N.); R., 1949.

LODESTONE. TB-M-Y7D (Whiting N.); R., 1949; (OLA KALA x ROCKET); No. 462; ☐ ho.
 LONG SHADOWS. Etc.; (Loth. N.); R., 1946; (Sdlg. x MANOAH); parentage corr.
 LORD MARMION. TB-M-B7D (Millik. 1949); Millik. Gard. 1949; R., 1949; (R Sdlg. x SPRING MEADOW); ☐ sw.
 LORNA LEE. TB-E-WW (Gibson-J.M. N.); R., 1949; (PURISSIMA x CLARIDAD); ☐ sl.
 LOVE STORY. Etc.; (Sapp); H. C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.

MAE F. RICHIE. TB-M-LA-W4 (Small-R. N.); R., 1949; (SPINDRIFT x BIRD OF DAWNING Sister No. J. Sass 44-11); ☐ none.
 MAGIC SAILS. TB-M-B1M (Nes. N.); R., 1949; (HELEN MCGREGOR x W Sdlg.); No. 45-34D; ☐.

MAJOR WRAY. TB - ME - R6D (Ryle N.); R., 1949; (TIFANY x Sdlg. No. 40-36-108).
 MAKE-UP. TB-M-R4D (Schirmer-H. N.); R., 1949; (fr 2 Sdls. of ASTA SCHIRMER); No. 12A; ☐ sl.
 *MARALDA. Etc.; (Gers. N.); R., 1939; etc.
 MARRON. TB-M-R6D (Barker-M.J. N.); R., 1949; (TOBACCO ROAD x NUTBROWN MAID); No. 48-42; ☐ none.
 MARY PRUDENCE. TB - MLa - WW (Baker-O. N.); R., 1949; (Sass W Sdlg. No. 3659 x SIERRA SNOW); No. 46-06.

MASKED BALL. TB-EM-W2D rev. (Buss N.); R., 1949; (GYPSY BARON x ————).
 MATADOR. TB-M-R4D (Tompkins N.); R., 1949; ((APEX x CASA MORENA) x (GYPSY ROSE)); ☐ cin.
 MAYAN GOLD. TB-M-Y4D (McKee N.); R., 1949; (JERICHO x MOONTIDE); ☐ sl. lo.
 *MAY BLOOM. Etc.; (Whiting N.); R., 1947; etc.
 *MELKARTH. Etc.; (Gers. N.); R., 1937; etc.
 MENOMINEE. TB - M - Re - S7M (Wise 1949); R., 1949; (RED RAY x AUTUMN SUNSET); ☐.

*MERNE. Etc.; (Gers. N.); R., 1939; etc.
 MIDSHIPMAN. Vinic - E - R1L (Richard N.); R., 1949; (LOCKETT'S LUCK x ————); C.C., A.I.S. 1949; A.I.S. Bull. **115**:8. Oct. 1949; Best in 1949 Louisiana Iris Society Show.
 MILADIANN. BB - MLa - R8D (Small-R. N.); R., 1949; ((MARIMBA) x ((Covert Sdlg.: (GOLDEN AGE x CITY OF LINCOLN)))); ☐ none.
 MILDRED WRIGHT. Etc.; (Gers. N.); R., 1948; etc.; A.I.S. Bull. **113**:114. Apr. 1949 delete the asterisk before the name, typographical error.
 MINUET. TB - M - Y3L (Klein. 1949); Cooley 1949; R., 1949; (CHAMIOS x CASCADE SPLENDOR); ☐.

MISHAWAKA. TB - M - Re - Y4D (Wise 1949); R., 1949; (RED RAY x AUTUMN SUNSET); ☐ m.
 MOHR BEAUTY. TB - M - Y4L

- (Millik. 1949); Millik. Gard. 1949; R., 1949; (ELMOHR x Y Sdlg.); ☐ sl. sw.
- MOHRESQUE. TB-M-S3M (Keith N.); R., 1949; (probably DOXA x ZWANENBURG); ☐ v. sl.
- MOHR LOVELY. TB-M-B1L (Linse N.); R., 1949; (ORMOHR x SNOQUALMIE).
- MOHR MAJESTY. TB-MLa-S6M (Walker N.); R., 1949; (WILLIAM MOHR x GOLDEN MAJESTY); (embryo cultured by L. Randolph); No. 40-49.
- MONFERINA. TB-M-B7M (Peckham N.); R., 1949; (GREAT LAKES x ———); No. 45-18-49; ☐ sl. sw.
- MOON GLEAM. Etc.; (Marx 1947); etc.; H.M., A.I.S. 1949; A.I.S. Bull. 115:6. Oct. 1949.
- MOON GODDESS. TB-M-B1L (Craig-T. 1949); R., 1949; ((ADVANCE GUARD x Mit. No. 2-21) x (B. Sdlg.)).
- MOON LANTERN. TB-M-Y4L (Whiting 1949); Maple Valley 1949; R., 1949; (MATULA x BURNING BRONZE); No. 4042; ☐ wax.
- MOONLIGHT MOOD. TB-MLa-S7L (Tompkins N.); R., 1949; (((SNOQUALMIE x GOLDEN TREASURE) x (SNOQUALMIE)) x (Loomis SQ 72)).
- MOONLIGHT SERENADE. TB-EM-W6L (Naylor N.); R., 1949; (SNOW FLURRY x Hall 42-10); ☐ lilac.
- MORISK. TB-M-S3M (Peckham N.); R., 1949; (GREAT LAKES x ———); No. 45-18-1; ☐ sw.
- MORNING SURPRISE. TB-LaM-B1L (Buneaux N.); R., 1949; ((No. 45-16: (SIERRA LAKES x AZURE SKIES) x (SYLVIA MURRAY)); No. 47-12; ☐ sl.
- MOUNTAIN SUNLIGHT. TB-E-Y4M (Houghton N.); R., 1949; (CALIFORNIA GOLD x ———); ☐ sl.
- MOUNT DIABLO. TB-M-R4M (Mit. N.); R., 1949; (No. 9-84 Var. Sdlg. x SULTAN'S ROBE); No. 6-91; ☐ sl.
- MOUNT REED. TB-E-W1 (Naylor N.); R., 1949; (SNOW FLURRY x W Sdlg.); ☐ str. lo.
- MRS. ROBERT LEE RANDOLPH. Vinic-R7L (Kerper N.); R., 1949; (parentage unknown).
- MUTED BLUE. MBB-M-B1L (Millik. 1949); Millik. Gard. 1949; R., 1949; (parentage unknown); ☐ v. sl.
- MUZETTA. TB-EM-R7L (Peckham N.); R., 1949; ((IMPERIAL BLUSH x self) x (———); No. 46-10-49.
- MY LOVE. Sib-B1M (Scheffy 1948-49); Lark Meadows 1948-49; R., 1949.
- MYSTIC MELODY. TB-M-Y6D (Stevens-W.R. N.); R., 1949; ((FAIR ELAINE) x ((LAGOS) x (GUDRUN x Sdlg.))); No. 9/T192.
- *MYSTIC MOON. Etc.; (Gers. N.); R., 1933; etc.
- MYSTIC WINGS. TB-M-Y6D rev. (Mt. Upton N.); R., 1949; (NARANJA x ORLOFF); ☐ m.
- *NAGUAL. Etc.; (Gers. N.); R., 1936; etc.
- NAPPANEE. TB-E-Re-R6D (Wise

- 1949); R., 1949; (PRIORITY x FORERUNNER); ☐ sl.
- NECROMANCY. TB-VLa-S9M (Long-B.R. N.); R., 1949; (fr Sdlgs. derived from ETERNAL CITY, MARY GEDDES, LYRA, DOLLY MADISON, etc.); ☐ str.
- NEPTUNE'S GIFT. TB-M-B1L (Buneaux N.); R., 1949; ((No. 45-16: (SIERRA LAKES x AZURE SKIES)) x (BLUE FRILLS)); No. 47-30; ☐ v. sw.
- *NEW ERA. Etc.; (Sass Bros. N.); R., 1946; etc.
- NEW ERA. TB-EM-W6M (Sass Bros. 1949); Maple Roads Gard. 1949; R., 1949; (((WAMBLISKA x DORE: Sass-H.P.) x (CALIFORNIA GOLD)) x ((TIFFANY x ORLOFF) x (CASQUE D'OR))); No. 45-85; ☐ sl.
- NEW GOLD. TB-M-Y4D (Goodman N.); R., 1949; (Goodman Y Sdlg. x Hall Y Sdlg.); ☐ sl.
- NEW HOPE. (4-46). Etc.; (DeForest); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- NGATAWA. TB-M-Y8D (Stevens-W.R. N.); R., 1949; ((NARANJA x FIRELIGHT) x (TIFFANY)); No. 1/T147.
- *NIOVA. Etc.; (Gers. N.); R., 1933; etc.
- NONE-SO-PRETTY. TB-La-S7M (Long-B.R. N.); R., 1949; (fr Pi Sdlgs. derived fr NEPENTHE, MARY GEDDES, SQUARE HILL, DOLLY MADISON, etc.); ☐.
- NORTH WIND. TB-La-B1D (Long-B.R. N.); R., 1949; (CELIA GRANT x GREAT LAKES); ☐.
- NOVA GRANDE. TB-M-Y4D (Tompkins N.); R., 1949; (((GOLDEN HIND x LATE SUN) x ((GOLDEN HIND x GOLDEN SPIKE) x (CLOTH OF GOLD))) x (CORONADO x OLA KALA)); ☐ sp. ho.
- OAKS. TB-M-R6M (Barnewitz N.); R., 1949; (MIDWAY x BENECIA LASS); ☐ sp.
- OCEAN SPRAY. TB-M-Y1L (Schirmer-H. N.); R., 1949; (W Sdlg. No. 14A x AZURE SKIES); ☐ sl.
- *ODE. Etc.; (Loth. N.); R., 1934; etc.
- ODE. BB-M-R6M (Loth. N.); R., 1949; (MISS SALLY x TOBACCO ROAD); No. 46-17.
- OLD CRANBERRY. TB-M-R4D (Millik. 1949); Millik. Gard. 1949; R., 1949; (fr. two Sdlgs.); ☐ v. sl.
- ON GUARD. Etc.; (Carpenter-C. 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- OPAL CLOUD. TB-M-S7L (Klein. 1949); Cooley 1949; R., 1949; (CASCADE SPLENDOR x DAYBREAK); ☐.
- OPAL DUSK. Vinic-B7L (Debailon; Dormon N.); R., 1949; Coll. by Debaillon near Lutcher, La.
- OPERA PINK. TB-M-R7L (Whiting N.); R., 1949; (SHANNOPIN x PATHFINDER); No. 4635; ☐ rose.
- ORCHID BEAUTY. TB-M-R1M (Ulrich N.); R., 1949; (GREAT LAKES x PINK IMPERIAL); ☐ lilac.
- ORIENT PICTURE. TB-M-Y8M

- (Stevens-W.R. N.); R., 1949; (TIFFANY x MADAME LOUIS AUREAU); No. 1/T167.
- PACEMAKER. TB-M-R4D (Lap. N.); R., 1949; (EDWARD LAPHAM x RED WAVES); ☐ rich; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- PADRE MIO. TB-EM-WW (Button N.); R., 1949; (BLUE BANNER x GUDRUN); ☐ sl.
- *PAGAN GOLD. Etc.; (Miles N.); R., 1947; etc.
- PAGAN GOLD. TB-M-La-Y4D (Douglas-G. N.); R., 1949; (((WHITE PRINCE x EASTER MORN) x (GOLDEN HIND)) x (MIMOSA GOLD)); ☐; H.C., A.I.S. 1949; A.I.S. Bull. **110**:6. July 1948.
- PAGAN SUNSET. TB-M-La-Y7D (Douglas-G. N.); R., 1949; (TRUE LOVE x ALPINE GLOW); No. 840-a; ☐ some.
- PAPRIKA. TB-M-R4D (Whiting 1949); Maple Valley 1949; R., 1949; (ROSY WINGS x MATULA); No. 39101; ☐ sp.
- PARACHUTE II. Etc.; (Loomis); H.C. A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- PARADISE PINK. TB-La-R4M (Lap. N.); R., 1949; ((FORE-RUNNER) x ((No. H-6: (SPINDRIFT x ISABELLINA))); No. E-9; ☐ pl. sp.; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- PARTING HOUR. TB-M-W8M (Holmberg N.); R., 1949; (THEODOLINDA x Sdlg.); No. 768; ☐ sl.
- PATINE. TB-M-R6D (Long-B.R. N.); R., 1949; ((MARETH x HUGUETTE Sdlg.) x (NEPENTHE x TREASURE SHIP)); ☐ str.
- PEACH PARFAIT. Etc.; (Craig 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- PERALTA. TB-La-S7M (Barnewitz N.); R., 1949; (MIDWAY x STAINED GLASS); ☐ sp.
- PEARLY NAUTILUS. TB-M-W1 (Berry 1948); R., 1949.
- PERHAPS. TB-M-Y8D (Loth. N.); R., 1949; (parentage unknown).
- PERKY MAID. Spur-M-La-Y5D (Nies N.); R., 1949.
- PETRONELL. TB-La-S4M (Dolman N.); R., 1949; (RAMESES x SIBLEY); No. 371; ☐ sl.
- PHILOSOPHER. TB - La - B9M (Allen-R.E. N.); R., 1949; (MADAME MAURICE LASSAILLY x LOTHARIO); ☐ lo.
- PICTURE. TB-M-S7L (White-A. N.); R., 1949; (SANDIA x BROWN BETTY).
- PINK BOUNTIFUL. TB-M-R3L (Cook 1949); Long. 1949; R., 1949; ((HARRIET THOREAU) x ((SUSAN BLISS x MORNING SPLENDOR) x VARESE x RAMESES)); ☐.
- PINK FORMAL. Etc.; (Muhle. 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- PINK GOLDTHROAT. TB-EM-R7L (Baker-O.M. N.); R., 1949; (INSPIRATION x Ohl Sdlg. 40-83 pink); No. 47-84.
- PINK PASTEL. TB - M - R4L (Small-R. N.); R., 1949; ((Loomis' SQ 51) x (Lapham: (SPINDRIFT x ISABELLINA))); ☐ none.

- PINK TALCUM. TB - M - R4L (Buss N.); R., 1949; (probably FLORA ZENOR x OVERTURE).
- PINNACLE. Etc.; (Stevens-W.R. 1949); etc.; H.M., A.I.S. A.I.S. Bull. **115**:5. Oct. 1949.
- PIRACY. TB-La-R9D (Long-B.R. N.); R., 1949; ((ETERNAL CITY x Sdlg.) x ((BLOOD CARNELIAN) x (NEPENTHE x TREASURE SHIP))) ; ☐.
- PLAYERA. TB-M-B3D (Weidner N.); R., 1949; (AMIGO x WABASH) ; ☐ sl.
- PLUM PRETTY. TB-M-B7D (DeForest 1949); Irisnoll 1949; R., 1949; (CALDERILLA x TOBACCO ROAD) ; ☐ sl.
- POETRY. TB-M-S7L (Long-B.R. 1948); Wal. 1949; R., 1949; ((RAMESES) x (MRS. VALERIE WEST x ———)).
- POLLY THRALL. Etc.; (Barker); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- PONDER. TB-EM-R1D (McKee N.); R., 1949; (((MIOBELLE) x (TEA ROSE x GYPSY)) x (MIOGEM)) ; ☐ none.
- POPCORN. TB-M-W4 (Shoffner N.); R., 1949; (GUDRUN x MOUNT WASHINGTON) ; ☐ sl. pl.
- PORT PATRICK. BB - M - WW (Small-R. N.); R., 1949; ((J. Sass 42-45) x (Ohl: (THE RED DOUGLASS x DORE))) ; ☐.
- POTAWATOMI. TB-M-S7D (Wise 1949); Wise 1949; R., 1949; ((PRIORITY) x (WAKARUSA x RED RAY)) ; ☐ sl.
- PRECIOUS GEM. BB - M - R8M (Nelson-E. N.); R., 1949; ((PARISIANA x ALASTOR) x (ALASTOR)) ; ☐ sl.
- PRECIOUS JEWEL. TB-M-S7D (Nelson-E. N.); R., 1949; ((PARISIANA x ALASTOR) x (ALASTOR)) ; ☐ sl.
- PRESENT. Etc.; (White - C.G. 1939); etc.; A.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- PROBABLY. BB-EE-Y8D (Loth. N.); R., 1949; (parentage unknown).
- PROCELLA. TB-M-La-R7D (Peckham N.); R., 1949; (WHITE GODDESS x GOLDEN SPIKE) ; No. 46-12-5-49.
- PTARMIGAN. TB-M-WW (Kinish 1949); Kinish 1949; R., 1949; (SHINING WATERS x GUDRUN) ; No. 4051-14; ☐ sl.
- PURISSAMOHR. TB - La - W4 (Weidner N.); R., 1949; ((WILLIAM MOHR) x (PURISSIMA x EASTER MORN)) ; ☐ sw.
- PURPLE PEAKS. TB - E - B7D (Dozier N.); R., 1949; (BRUNHILDE x INDIAN HILLS) ; No. 47-11.
- QUIET HOUR. TB-M-S6L (Millik. N.); R., 1949; (FORT KNOX x GOLDEN EAGLE) ; ☐ mild.
- RADIANCE. TB-M-WW (Ball-L. N.); R., 1949; (NENE x W. R. DYKES or HAPPY DAYS).
- RAINBOW GIRL. TB - La - R3L (Barnewitz N.); R., 1949; (MISS VALLEJO x FRIEDA MOHR) ; ☐ lilac.
- RASPBERRY SUPREME. TB-M-R4M (Mit. N.); R., 1949; (ORCHID LADY Sdlg. No.0-90) ; No. 5-18; ☐ sl.

- *RED ROUGE. Etc.; (Gers. N.); R., 1937; etc.
- REDRYLE. TB-M-R6M (Ryle N.); R., 1949; (PRINCE OF ORANGE x Sdlg. No. 43-12-305).
- RED WAVES. Etc.; (Lap.); etc.; H.C., A.I.S. 1948; A.I.S. Bull. **110**:6. July 1948.
- REFINEMENT. TB - M - Y7M (Howe-O. N.); R., 1949; (MAJENICA x MAY DAY).
- REGIONAL TRIUMPH. TB-M-R7M (Jonas N.); R., 1949; ((GUDRUN x GREAT LAKES) x (No. 479, pink). No. 251-1; ☐ wild rose; C.C., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- RICH RAIMENT. TB-M-W8D (Craig-T. 1949); R., 1949; (((((KING TUT) x (BRONZE BEACON x SACRAMENTO)) x (No. 2-21))) : Mit. Sdlg.) x ((MADAME LOUIS AUREAU) x (TIFFANY x LOS ANGELES))).
- ROBERT BROWNING. TB-M-La-S6D (Long-B.R. N.); R., 1949; (fr two Sdls. derived fr. VALKYRIE, SQUARE HILL, MRS. VALERIE WEST, FARANDOLE, etc.); ☐.
- RODEO. Etc.; (DeForest 1947); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- ROSAMUNDA. TB - M - R4M (Small-R. N.); R., 1949; (Loomis-Ohl 30 x Hall 42-05); ☐ sl.
- ROSE AMES. TB-M-S1L (Norton-L. N.); R., 1949; (FLORENTINE x LADY NAOMI).
- ROSE OF ABBEVILLE. Vinic-R6D rev. (Dormon N.); R., 1949; (OLD CORAL x PEGGY MAC).
- ROYAL HERALD. Sib-EM-R1D (Scheffy 1948-49); Lark Meadows 1948-49; R., 1949.
- RUBAIYAT. TB-M-R3D (Johnson-Ruth N.); R., 1949; (CRIMSON TAN x TA MING); ☐.
- RUFFLED ICE. TB-M-W1 (Naylor N.); R., 1949; ((SNOW FLURRY) x (WINTER CARNIVAL x PURISSIMA)); ☐ sl.
- RUMBA ROSE. TB - M - W9D (Whiting 1949); R., 1949; (WABASH x FAIR ELAINE); No. 4629; **Rumba** (Whiting).
- RUTH. TB-M-Y6D rev. (Innes N.); R., 1949; (OLA KALA x GOLD RUFFLES); ☐ sl.
- RUTH NIES CABEEN. Spur-E-M-B1L (Nies N.); R., 1949;
- RYMOUR. TB-MLA-B1M (Peckham N.); R., 1949; (CINCINNATI x CINCINNATI).
- SARAH GOODLOE. Etc.; (Douglas-G. 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- SARAH LESTER. TB - E - Y4D (Rees N.); R., 1949; (EASTER SUNRISE x PRAIRIE SUNSET); ☐ sl.
- SARSEN. TB-M-S9M (Long-B.R. 1948); Wal. 1948; R., 1949; (Sdlg. x CHILDHOOD).
- SAUCY MINX. Vinic-R6M rev. (Dormon N.); R., 1949; (CAJAN JOYEUSE x NEW ORLEANS).
- SAVAGE. TB-M-S7D (Craig-T. 1949); R., 1949.
- SEAFARER. Etc.; (Buttrick 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- SERIN. TB-M-Y4M (Long-B.R.

- 1948); Wal. 1948; R., 1949;
 ((NEPENTHE x TREASURESHP)
 x ((SOUV. DE LOETITIA MICHAUD
 x SQUARE HILL) x (DAINTY
 DUCHESS))).
- SESPE. TB-EM-Y6L (Walker
 N.); R., 1949; (BROWN BETTY x
 FORT KNOX); No. 6-49; ☐ good.
- *SHERABINA. Etc.; (Gers. N.);
 R., 1937; etc.
- SHEIK. TB-MLa-S9D (Fass-H.
 N.); R., 1949; (CHRISTABEL x
 WABASH).
- SHOWBOAT. TB-M-S7D (Whit-
 ing 1949); Maple Valley 1949;
 R., 1949; (MATULA x PRAIRIE
 SUNSET); No. 4130; ☐ ho.
- SIKH-MOHR. TB-E-R1M to R7L
 (Weidner N.); R., 1949;
 ((WILLIAM MOHR) x (DAUNT-
 LESS x SIKH)).
- SILCHESTER. TB-M-R4L (Drew-
 ett N.); R., 1949; (PRAIRIE
 SUNSET x GOLDEN RUSSET);
 Winner Kent Group Sdlg. Cup,
 June 1949.
- SILVER LAKE. TB-LaM-B1L
 (Kinish 1949); Kinish 1949;
 Nat. I. Gard. 1949; R., 1949;
 (MARY CLOTILDE x GREAT
 LAKES); ☐ str.
- SILVER TOWER. TB-E-B1L (Mit.
 N.); R., 1949; (SNOW FLURRY
 x CHIVALRY); No. 6-15-1; ☐
 lovely.
- SKY RANGER. Etc.; (Hall-D.
 1948); etc.; H.M., A.I.S. 1949;
 A.I.S. Bull. 115:5. Oct. 1949.
- SKYWAYS. TB-M-B1M (Howe-O.
 N.): R., 1949; (MOUNTAIN SKY
 x GREAT LAKES); ☐ none.
- SMARTY PANTS. LBB-M-Y9D
 (White-A. N.); R., 1949;
 (SANS SOUCI x ———).
- *SMILING MOON. Etc.; (Gers.
 N.); R., 1937; etc.
- SNOW LARK. TB-E-WW (John-
 son-E. N.); R., 1949; (CARVED
 IVORY x GUDRUN); ☐ sl.
- SNOW VALLEY. TB-M-La-WW
 (Smith-K. N.); R., 1949;
 (most likely COTILLON x FREE-
 DON); No. 8-22.
- SONG OF SONGS. TB-E-La-W6L
 rev. (Crosby N.); R., 1949;
 (GOLD RUFFLES x CREAM
 GOLD); ☐.
- SPANISH CREAM. TB-M-Y6L
 (Dolman N.); R., 1949; (LUD-
 MILLA x OVERTURE); No. 404;
☐.
- *SPARKLER. Etc.; (Gers. N.);
 R., 1938; etc.
- SPRING CAPER. MB - E - S6D
 (Sass Bros. 1949); Marx 1949;
 R., 1949 (*Stolonifera* x DB). A
 Regelia x Pogon hybrid.
- SPRING MOON. TB - M - Y4L
 (Goodman N.); R., 1949;
 (Snoqualmie x Fay No. 44-57).
- SPRING SHOW. BB-M-S9M (Mil-
 lik. 1949); Millik. Gard. 1949;
 R., 1949; (parentage un-
 known); ☐ sl. gr.
- SPRINGTIME MADONNA. TB-
 M-W6M (Millik. 1949); Millik.
 Gard. 1949; R., 1949; (Bronze
 Sdlg. x THE MISSIMO); ☐ sl.
 sw.
- STAR SHINE. Etc.; (Wills 1949);
 etc.; H.M., A.I.S. 1949;
 A.I.S. Bull. 115:5. Oct. 1949.
- STORMY CLOUDS. BB-M-S1L
 (Bell-A.C. N.); R., 1949;
 (PURISSIMA x L'AIGLON).

- STORMY DAYS. TB-M-Re-S3M (Wise 1949); R., 1949; (AUTUMN KING x AUTUMN SUNSET); □ v. sl.
- STRIATION. TB-M-W8M (Johnson-E. N.); R., 1949; (MADAME LOUIS AUREAU x TIFFANY); □ sl.
- SULGRAVE. TB-M-S9M (Randall N.); R., 1949; (CAMPFIRE GLOW x Sdlg.); Bronze Medal, The Iris Society (Eng.) 1948.
- SUMMERTIME. Etc.; (Caldwell-W. 1949); H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- SUNLIT SNOW. TB-M-W6M (Long-B.R. N.); R., 1949; ((BLITHE SPIRIT) x (((RAMESSES) x ((MRS. VALERIE WEST) x (MOONLIGHT x MME. CECILE BOUSCANT))))); □ sl.
- SUNLIT SWAN. Jap-DD1-M-1 (Roberts-Mrs. N.); R., 1949.
- *SUNNY LASS. Etc.; (Gers. N.); R., 1937; etc.
- SUNSET BLAZE. Etc. (Klein. 1948); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- SUNSET ROAD. TB-M-S4M (Muhle. N.); R., 1949; (PRAIRIE SUNSET x TOBACCO ROAD); □.
- SUNSHADOWS. Etc.; (Sapp); C.C., A.I.S. 1949; A.I.S. Bull. **115**:8. Oct. 1949.
- SUSAN WYNNE. TB-M-Y8L (Carruth N.); R., 1949; (SEDUCTION x RUTH POLLOCK); □ sl.
- SUSIE Q. TB-M-Y8D (Johnson-M. N.); R., 1949; (SIEGFRIED x MADAME LOUIS AUREAU).
- SWAGGER. TB-M-La-B1D (Loth. N.); R., 1949; (ESQUIRE x No. 44-9).
- SWAN LAKE. Etc.; (Benson-C. W.); C.C., A.I.S. 1949; A.I.S. Bull. **115**:8. Oct. 1949.
- *SWEET LEILANI. Etc.; (Gers. N.); R., 1937; etc.
- SWEETPEA LADY. Tab-La-W9D (White-A. 1948); Tuthill 1948; R., 1949; Table Iris.
- SYLISTA. TB-La-W4 (Mit. N.); R., 1949; (Sdlg. 0-136 x Sdlg. C39-42); No. 4-84; □ sl.
- SYLLABUB. TB-M-La-R4L (Douglas-G. N.); R., 1949; ((PINK CAMEO) x ((No. 40-10 x MELITZA) x (FLORA ZENOR))); □; H.C., A.I.S. 1948; A.I.S. Bull. **110**:6. July, 1948.
- SYLVAN DUET. Vinic-Y3L rev. (Conger N.); R., 1949.
- SYLVIA MURRAY. Etc.; (Norton 1944); etc.; A.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- *SYRINX. Etc.; (Gers. N.); R., 1933; etc.
- SYRINX. TB-M-MLa-Y4L (Peckham N.); R., 1949; (BOMBYX x Sdlg.); No. 45-11-6-49.
- *TAI-O-WA. Etc.; (Gers. N.); R., 1933; etc.
- TALIBAN. TB-M-B7D (Peckham N.); R., 1949; (MAZURKA x CITY OF LINCOLN); □ sw.
- *TALLY Ho. Etc.; (Hall-D. N.); R., 1945; etc.
- TALLY HO. TB-M-R3M rev. (Hall-D. 1949); Hallcroft 1949; R., 1949; (FANTASY x raspb. red Sdlg. No. 42-46).
- *TASCALA. Etc.; (Gers. N.); R., 1934; etc.
- *TECHNICOLOR. Etc.; (Whiting N.); R., 1947.

- TECHNICOLOR. TB - M - R7D (Whiting N.); R., 1949; (GARDEN GLORY x ———); ☐ sp.; No. 4646; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.
- THE KHAN. Vinic-R1D (Dormon N.); R., 1949; (HAILE SELASSIE x CARDINALIS).
- THE LAUGHING CAVALIER. TB-La-B3M (Loth. N.); R., 1949; (GOOD TIDINGS x ESQUIRE); No. 48-45.
- THE PIRATE. TB - M - La - B1D (Loth. N.); R., 1949; ((No. 44-10: (Sister of ESQUIRE)) x ((No. 44-9: (Mother of ESQUIRE x R Sdlg.)))).
- THE THIEF. TB-M-Y4D (Baumann N.); R., 1949; (Sdlg. x Sdlg.).
- THISTLE BLOOM. TB-M-R6L (Whiting N.); R., 1949; ((SHANNOPIN) x (MIRABELLE x ANGELUS)); No. 466; ☐ lilac.
- THISTLE HARMONY. Vinic-R9M rev. (Conger N.); R., 1949; (Sdlg.).
- THISTLETUFT. Vinic-Y8M (Debaillon: Dormon N.); R., 1949; Coll. by Debaillon vicinity of New Orleans, La.
- THORBASH. TB-MLa-Y9D (Randolph L. N.); R., 1949; (THORBECKE x WABASH); ☐ sl.
- THREE OAKS. Etc.; (Whiting 1943); etc.; A.M., A.I.S. 1949; A.I.S. Bull. **115**:5. Oct. 1949.
- TIMBERLINE. TB-M-B3M (Naylor N.); R., 1949; (SNOW FLURRY x WINTER CARNIVAL); ☐ violet.
- TIRANA. TB-EM-M-WW (Peckham N.); R., 1949; ((SAN DIEGO) x (Kirk. B Sdlg. x Kirk. B Sdlg.)) x (————); No. 42-80-1.
- TONGARIRO. TB-M-R9M (Stevens-W.R. 1949-50); R., 1948; (COPPER ROSE x REDMAYNE); No. 1/U114; Formerly entered in A.I.S. Bull. **113**:99. Apr. 1949 as ARABIAN NIGHTS, which name was relased to Mrs. Whiting.
- TOWANDA REDFLARE. Sib-R7M (Scheffy 1948-49); Lark Meadows 1948-49; R., 1949; *Red Flare* (Sib).
- TRANSATLANTIC. TB - M - B1M (Randall N.); R., 1949; (LAKE GEORGE x CHIVALRY).
- TRINKEDOR. IB-E-Y4M (Randolph-L. N.); R., 1949; (TRINKET x PLUIE D'OR); ☐ sl.
- TRULY YOURS. Etc.; (Fay 1949); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.
- UNITY MALONE. TB - E - W4 A.I.S. Bull. **113**:123. Apr. 1949, should be dropped below next two lines, where it belongs.
- URIEL. TB-E-M-Y7D (Weidner N.); R., 1949; ((Y Sdlg.: (FRANK ADAMS x GOLDEN MAJESTY)) x (SPUN GOLD)); ☐ none.
- UTAH LAKE. TB-E-LaM-B1M Muhle. N.); R., 1949; (GREAT LAKES x SHINING WATERS); ☐ str.
- UTAH SUNSET. TB-E-M-Y6D rev. (Muhle. N.); R., 1949; ((HONEYFLOW) x (No. 46-16: (PRAIRIE SUNSET x TOBACCO ROAD))); ☐; H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949.

*VALCOLA. Etc.; (Gers. N.); R., 1939; etc.

VERNAL PEACE. TB-M-Y6D (Stevens-W.R. N.); R., 1949; (fr Sdlgs. over several generations); No. 1/U57.

VERTE AMOR. TB-M-Y3L (Herbert-W.I. N.); R., 1949; ((DOMINION x MOONLIGHT) x (GOLDEN HIND)); ☐ str.

VIANA. BB-M-R9D (Bell-A.C. N.); R., 1949; (L'AIGLON x GOLDEN HARVEST).

VIDEO. TB-EM-Y6D (Cassebeer N.); R., 1949; ((ELLA CALLIS) x (JUNALUSKA x RADIANT)); No. 166.

*VIGO. Etc.; (Gers. N.) R., 1930; etc.

VIOLET FLIGHT. TB-EM-B1M (Brummitt N.); R., 1949; (WHITE CITY x GREAT LAKES); Bronze Medal, The Iris Society (Eng.) 1949; Selected for Trial at Wisley 1949.

VIOLET RAY. Vinic-R1M (Dormon N.); R., 1949; (Large purple x OLD CORAL).

VIOLINE. TB-M-B1M (Kinish 1949); Kinish 1949; Nat. I. Gard. 1949; R., 1949; ((ANN PAGE x THEODOLINDA) x (BLUE TRIUMPH x SHINING WATERS)); No. 4212-1; ☐ str.

VISTA VERONICA. TB-M-B7L (Buss N.); R., 1949; (BLUE SHIMMER x AZURE SKIES).

VITEZZA. TB-M-MLa-R7M (Peckham N.); R., 1949; (ZARZUELA x PRESIDENT PILKINGTON); No. P1 43-4.

VOGUE. TB-M-R4D (Long-B.R. N.); R., 1949; (Sdlg. x UNFINISHED SYMPHONY); ☐ v. sl.

*WAXY WHITE. Etc.; (Muhle. N.); R., 1945; etc.

WAXY WHITE. TB-M-La-WW (Muhle. N.); R., 1949; ((Whiting 40-86: (MATULA x MIDWEST GEM)) x (Hall 42-10)); ☐.

*WAYONA. Etc.; (Gers. N.); R., 1937; etc.

WEDOWEE. Vinic-W9M (Conger N.); R., 1949; (Sdlg.).

WEE ADMIRAL. Etc.; (Marx 1947); etc.; H.M., A.I.S. 1949; A.I.S. Bull. **115**:6. Oct. 1949.

WEIRDIE. TB-M-W8L (Craig-T. 1949); R., 1949; (same parentage as RICH RAIMENT).

White Christmas. (1-49); Etc.; (Pattison); H.C., A.I.S. 1949; A.I.S. Bull. **115**:7. Oct. 1949. Name not available for registration.

WHITE COCKADE. TB-M-WW (Nes. N.); R., 1949; (HELEN MCGREGOR x MOUNT BLANC); No. 45-36A; ☐.

WHITE PARCHMENT. TB-M-La-WW (Hall-H. 1949); Fair. 1949; R., 1949; (MING YELLOW x GREAT LAKES); No. W-8; ☐.

WHITE SAILER. TB-M-La-WW (Baker-O.M. N.); R., 1949; (Sass W Sdlg. No. 3659 x SIERRA SNOW); No. 46-61.

WHITE SENTRY. Etc.; (Benson-C.W.); etc.; C.C., A.I.S. 1949; A.I.S. Bull. **115**:8. Oct. 1949.

WHITE SMOKE. TB-M-La-W1 (Rees N.); R., 1949; (SNOW FLURRY x large B1M Sdlg.); ☐.

WILLIAM A. SETCHELL. TB-M-B1D (Brehm 1938); Salb. 1938; etc.; Corr. A.I.S. Check List 1939; 568.

WOODLAND CARPET. TB-M-S6D (Stevens-W.R. N.); R., 1949; ((CEDAR x LIGHTHOUSE) x (COPPER ROSE)); No. 1/S81.

WOODLAND CHARM. Vinic-R5M rev. (Conger N.); R., 1949.

XACARA. TB-MLa-W1 (Peckham N.); R., 1949; (FAIR ELAINE x Sdlg.); No. 45-19-1-49.

YELLOW TOWER. TB-E-LaM-Y4M (Muhle. N.); R., 1949; (PAINTED DESERT x Hall 42-10).

YNEZ. TB-M-Y8D (Loth. 1944); R., 1949; (parentage lost).

YULETIDE. TB-M-La-W1 (Nes. N.); R., 1949; (ST. REGIS x CHIVALRY); No. 45-35R; ☐ sw.

ZALEO. TB-EM-M-B1D (Peckham N.); R., 1949; ((HUAPANGO x —) x ((SAN DIEGO x NIGHT-SHADE) x (————))); No. GKHS-29.

ZEPHRINE. TB-M-WW (Corey N.); R., 1949; (BAY STATE x CLOUD CASTLE); No. 50J-1; ☐ sl.

ZEPHYROSO. Spur-M-Y3L rev. (Nies N.); R., 1949.

ZERITA. Sib-B1M (Scheffy 1948-49); Lark Meadows 1948-49; R., 1949.

*ZORITA. Etc.; (Gers. N.); R., 1939; etc.

—NOTE—

The following additional abbreviations have been used in this report—

LMB—Low Miscellaneous Bearded
 MMB—Medium Miscellaneous Bearded
 TMB—Tall Miscellaneous Bearded
 LBB—Low Border Bearded
 BB—Medium Border Bearded
 TAB—Table Bearded.

SUMMARY OF 1949 IRIS REGISTRATIONS

REGISTRATIONS BY TYPES

Tall Bearded varieties	*327
Louisiana varieties	19
Siberian varieties	5
Spuria varieties	6
Table varieties	3
Intermediate varieties	3
California varieties	2
Regelia x Pogon hybrids	2
Japanese variety	1
Total new registrations	368
Old varieties ruled obsolete	54
Net gain in registrations	314

*Includes 15 tall bearded varieties classed as Border Irises

REGISTRATIONS BY COUNTRY OF ORIGIN

Country	Registrants	Registrations
United States	97	319
Great Britain	8	36
New Zealand	1	7
Australia	2	2
Canada	1	2
Argentina	1	2
Total	110	368

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Fifty years ago Siberian and Japanese irises were relatively more popular than at present, because their only bearded competition came from *flavescens*, *pallida*, *variegata*, Albicans, Kochii, Germanica, etc. The phenomenal improvement of tall bearded irises that came with the use of tetraploid species in breeding resulted in an upsurge of popularity for the tall bearded varieties that their beardless cousins have not fully shared despite their splendid attributes.

To encourage the further development of Siberian irises and to promote greater interest in them, the Siberian Iris Club has been organized within the structure of the American Iris Society. Membership in the club is open to all who grow and like Siberian irises or who want to know more about them. There are no dues.

In order to learn just how Siberians stand in popular favor among AIS members, everyone who grows named Siberian irises is asked to tear out this sheet; fill out the ballot on the reverse side and return it before July first. Dealers as well as gardeners are invited to join the Siberian Iris Club because both can help popularize this beautiful and sturdy iris.

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AMERICAN IRIS SOCIETY

INFORMATION BALLOT

LIST OF SIBERIAN IRISES

<i>White</i>	Heavenly Blue	Sunnybrook	Skeena
Crystal Charm	Kingfisher Blue	Thisbe	Superba
Martha Le Grand	Mild. Stahlman	True Blue	Tropic Night
Matane	Moonsprite	Zerita	Tycoon
Rimouski	Papillon	Zest	Velvet Gown
Snow Bunting	Perrys Blue		
Snow Crest	Powder Blue	<i>Dark Blue</i>	<i>Violet</i>
Snow Queen	Skylark	Blue Owl	Amelia Earhart
Snowy Egret	Summer Sky	Blue Star	Llewellyn
Tunkhannock	Thelma Perry	Caesar	Mattawin
White Dove	Turquoise Cup	Caesars Brother	Sky Rocket
White Empress		Emperor	Little Boy Blue
White Way	<i>Medium Blue</i>	Gayheart	
	Acuta	Kenogami	<i>Red and Pink</i>
	Blue Wings	Lady Northcliffe	Ahalya
<i>Light Blue</i>	Dragonfly	Madawaska	Eric the Red
Blue Charm	Florrie Ridler	May Morning	Helen Astor
Blue Ridge	Kootenay	Night Sprite	Lady Godiva
Butterfly	Miss Dodo	Nora Distin	Morning Magic
Chaudiere	Mountain Lake	Ottawa	Mrs. Rowe
China Blue	Mountain Pool	Peggy Perry	Mrs. Perry
Cool Spring	My Love	Pickanock	Red Emperor
Gatineau	Periwinkle	Pigmy	Red Raider
Grey Dove	Pembina	Royal Flush	Towanda
Grey Prince	Silvertip	Royal Herald	Redflare

Instructions: Please examine the above partial list of Siberian varieties and cross out every variety that you do not have. From the remaining varieties please select your favorite varieties in each color class and indicate them in order of your preference by the numerals 1, 2 and 3. If you have more than three favorites in each class, indicate their preference standing by the same numerals.

Please list here the names of other Siberians that you think should be added to the list: _____

Would you favor the establishment of awards for Siberians only? _____

Do you wish to be a member of the Siberian Iris Club? _____

Please return this ballot before July 1, 1950 to

The Siberian Iris Club, 444 Chestnut Street, Nashville 10, Tennessee.

DWARF IRIS SOCIETY URGED

In the past the dwarf bearded iris has been largely neglected by the American Iris Fan. Lately, however, there has been an intensive movement, particularly in the north central states to publicize the dwarf iris and encourage its steady improvement by an increasing interest in raising dwarf seedlings.

It is significant to note that during the entire existence of the American Iris Society only eight varieties have received the Honorable Mention Award. Four of these awards were given in the year 1949. Since there is no lack of good dwarf bearded varieties it is quite evident that the accredited judges are not functioning with regard to the dwarfs and some means of recognition other than the present system is indicated.

In an attempt to solve this problem the idea of forming a Dwarf Iris Society within the structure of the AIS has been conceived. It is hoped that eventually we will have special members of the Society designated as Dwarf Iris Judges with official recognition of their voting duties. In the meantime, if you are interested in promoting the welfare of the dwarf iris you are urged to join in the formation of the Dwarf Iris Society.

Use this page as your answer. Fill in the questionnaire, tear out and mail not later than May 1, to Walter Welch, Chairman, Dwarf Iris Committee, Middlebury, Ind.

QUESTIONNAIRE

Would you care to join a Dwarf Iris Club or Society as a section of the AIS?

Are you in favor of a Dwarf Iris Symposium?

Would you favor the idea of giving the Dwarf Iris Club judges official status to judge dwarf irises only?

Comments

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"50 BEST DWARFS"

Through previous polls the following fifty varieties have been selected as the subjects of this first symposium. Mark out those with which you are not familiar, add any other of your preference. Then select five from the remaining and number from one to five in the order of your preference. Results will be tabulated and published in a future Bulletin.

Alinda	Marocain
Atroviolacea	Mist O'Pink
Azurea	Moon Gleam
Balkana	Nana
Beauty Spot	Neola
Black Midget	Niobe
Black Mascot	Orange Queen
Bronya	Owaissa
Buzzer	Path of Gold
Coerulea	Pink Mauve
Cream Tart	Prairie Gem
Cretica	Reflection
Elegance	Rose Mist
Endymion	Sass Dark Ruby
Fairy	Schnekuppe
Fallen Leaf	Silver Elf
Fiancee	Sound Money
Fragrance	Tampa
Graminea	Tiny Tony
Harbor Lights	Tiny Treasure
Heatherbloom	Tony
Keepsake	Violet Gem
Lt. Chavagnac	Wee Admiral
Little Elsa	Yellow Fills
Little Jewel	Ylo

Name

Address

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Region 21—Iowa, Nebraska, North Dakota and South Dakota. Mrs. Ralph E. Ricker, 1516 Ross St., Sioux City, Iowa.

1950 National Membership Campaign

The 1950 membership campaign has begun! It will end August 1, 1950.

The campaign is open to all members of the American Iris Society. The plan is simple. From your friends and acquaintances obtain as many new members for the Society as possible. Give each new member iris rhizomes from your garden to the equivalent value of his membership. Send the money and the new member's name to:

THE AMERICAN IRIS SOCIETY

444 Chestnut Street

Nashville 10, Tenn.

Then advise your Regional Vice-President of the new members you have secured.

Now comes the pay-off. The Society will undertake to reimburse you with iris varieties that possibly you do not own to offset the value of those you have given away in securing new members. The membership drive closes August 1, 1950, and your iris will be sent to you in early September. Remember this offer is for NEW MEMBERS only, not for renewals.

Lastly, send to your Regional Vice-President a list of iris varieties you would like to have as replacements for the iris you have given to the new members. Do this before the end of the campaign. Your replacement rhizomes will be selected from this list IF POSSIBLE.

Get busy, Good People. The time is here. This is your chance to help the A.I.S. and your garden at the same time.

B U L L E T I N

A of the AMERICAN IRIS SOCIETY

JULY - 1950

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FOREWORD

With this issue the Bulletin of the American Iris Society celebrates its thirtieth birthday. The real founders of the Society were a group of eight iris enthusiasts composed of Lee R. Bonnewitz, James Boyd, W. F. Christman, H. A. Gleason, Mrs. Frances King, B. Y. Morrison, Miss Grace Sturtevant, and myself. We met on January 10th, 1920, at the New York Botanical Gardens and drafted the announcement of the formation of an Iris Society and issued an invitation to all those interested, to attend an organizational meeting on January 29th of the same year.

Sixty-six persons answered the call and were present at this first meeting. Dr. N. S. Britton of the Botanical Gardens made the welcoming address. The efforts of this group resulted in the formation of the Society with 424 charter members.

Those who helped to found the Society and who are still in its ranks have been amazed at its wonderful growth. The initial group which put forward the ambitious plans for the new Society in the beginning were considered over-optimistic, and yet from that small beginning the Society has grown to its present size of between four and five thousand members.

In making this growth it has not merely interested gardeners in growing more irises but has contributed tremendously to the development of the flower. The progress which has been made in 30 years might without the society have taken a century or two, if, indeed, it would ever have occurred at all.

The present officers have every reason to be proud and the present members should feel a great satisfaction in having such able leaders. While they congratulate themselves they should always remember that there remains much more to be done.

I, for one, still feel, as I said years ago, that we are only on the threshold. The next 30 years should bring a membership many times larger and should bring the good iris varieties into the gardens of literally hundreds or thousands or millions of persons.

The society is still too much concerned with the bearded iris and not enough concerned with the development of the many types of

FRONTISPIECE—from left to right, Ex-AIS-President, J. E. Wills, AIS President, Guy Rogers and Harry J. Randall, President of The Iris Society (England) pose for the BULLETIN in your Editor's garden. (Douglas—photo)

beardless iris which succeed over almost as large an area as the bearded ones. It has also neglected the bulbous irises which, while they cannot be grown as easily or over as great an area, can still be much more widely grown than they are at present.

The new techniques of embryo culture have accelerated the progress of breeding. There is no reason to suppose that they are the last word or that other methods of equal importance will not be worked out in the future.

As one of those who helped found the society I have always been proud of the part I played in its early development. I realize it was a small part but it was from many small parts that the present success has come. The real credit for the growth of the society belongs to the first editor, Robert Sturtevant, and to the able editors that have followed him. It is the Bulletin which binds the society together over the many hundred or thousands of miles separating the many members.

JOHN C. WISTER.

Portrait of An Iris

I have no frame. I am only a detail from the long panel of a garden border. But a background I have, a lovely one of dark green box and bright blue sky.

I stand full length among the grey green ribbons at my feet. I lift my arms and offer you a feast of beauty. In exaltation.

I'm bright and gay. I'm clean and sweet in pink, in white, in red, blue, brown or yellow. I'm silken smooth and velvet soft. I'm flared and ruffled.

I revel in the sun, and all too briefly flaunt the force of wind and rain. I savor life a scant three days, then furl my fluttering skirts and vanish.

But long in the minds of men I stay, to brighten winter's loneliness. A memory from which the returning warmth of spring will fashion beauty, joy, and happiness in Hearts eternal.

—EVA E. FAUGHT, (Ill.)

Address of the Honorable H. J. Randall, Sioux City, Iowa, June 10, 1950

MR. PRESIDENT AND MEMBERS OF THE AMERICAN IRIS SOCIETY,

It is a source of great regret to me that I am prevented from attending the Sioux City Convention of your Society. One of my main objects in visiting America this year was to act as an ambassador of the Iris Society of England and, by attending and speaking, at the convention, to promote the interest and friendly feeling which should exist between our two Societies. I was anxious to meet many of your members from the different regions—members whose names have become known to us in England because of their writings or of their work as hybridizers; and I was naturally desirous of shaking hands with the contingent from Canada. But the unpredictable vagaries of your weather have proved too much for me, and I have had to leave your hospitable country without sharing in the pleasure, the excitement, and the expenditure of boundless energy which will, I am certain, make the 1950 Convention a memorable one.

In asking me to speak at this banquet you have conferred an honour not only upon me personally but upon the English Iris Society of which I am proud to be President. I would much rather be with you in person to-night than appear before you as a disembodied voice. In this connection I am reminded of an incident which occurred in Tennessee on my last visit to America in 1946. I was being shown around a factory by the proprietor and the manageress. This lady seemed most interested in everything I said, and after a while she asked me if I would speak to all the factory operatives if she assembled them in the hall. I at once protested that I was only a shy Englishman and that I did not know what to say to an audience of very attractive young ladies. At which the manageress replied, "It doesn't matter what you say, Sir. It's your voice we want to hear." And then she made the suggestion that if I had nothing to say I would recite a few passages of Scripture. On that occasion I was able to speak without any recitational aids, and I shall do so this evening in the few minutes at my disposal.

On behalf of my Society in England I wish to pay a respectful and sincere tribute to our late friend, Hans Sass. He was one of the pioneers in the development of the tall bearded iris as we know it to-day. He achieved outstanding success in raising varieties which have won a world-wide fame, and his work will be of enduring benefit to all iris growers. I do not know what success he achieved in the realm of botanical science, but I do claim that his work has given and

will continue to give endless pleasure to gardeners throughout the world; and I believe that Hans Sass could have no higher tribute paid to him. In England we feel gratified that we conferred upon him, three years ago, the Foster Memorial Plaque in recognition of his eminent work amongst irises.

Any visitor from England would be impressed by the extent of the activities of members of the American Iris Society. You do things thoroughly, methodically, and on a grand scale that is rarely possible in other countries. I shall always remember the surprise and pleasure I felt in 1946 when, soon after landing in America, I saw irises in flower at Roanoke, Spartanburg, and Nashville. For six long years the gardens of England had been mainly devoted to the growing of those necessary but uninspiring things, the potato and the cabbage. Flower beds were scarce, and the hybridization of irises was carried on by a mere handful of people on a very modest scale. In England we thought that our new seedlings were splendid, but as soon as I saw the newer American varieties I realized that you had made advances which had been denied to us. You had brought greater clarity of colour into the iris garden, you had discarded the muddy blends which had once aroused excitement, and you had introduced several entirely new colours and shades into the iris family, thereby greatly increasing its beauty and its appeal to the average gardener. It was a pleasure to my Society last year to present the Foster Memorial Plaque to David Hall for his notable work in breeding pink irises which are becoming so popular on both sides of the Atlantic.

When I came over to America a few weeks ago I wondered if fresh treasures were to be seen or whether you had reached the end of the hybridizing road. Were you going to be like Alexander the Great, yearning for fresh worlds to conquer but unable to do much about it, or like some alpine climber going from peak to peak in successful and pleasant enterprise. From what I have seen this year it is very apparent that you are continuing the good work of recent years, raising finer irises and experimenting in many directions in order to achieve new breaks and a higher general standard. If I may venture a word of criticism it would be that too many varieties are being named and introduced which are no better than or which may even be inferior to existing ones. But then most human beings occasionally fail to notice the difference between geese and swans! I hope that members **of your Society** and mine will loyally co-operate in naming and registering only irises which are undoubtedly superior in some respect to varieties already available. In exercising restraint iris growers will certainly not lessen the fun they obtain from their seedling beds. I believe that there is great scope and a real need for co-operation be-

tween our two Societies in many directions—in the study of species, the publication of information, and the general advancement of our mutual interests.

If ever your weather again goes topsy-turvy as it has done this year you would be well advised to charter the Queen Elizabeth, cross the Atlantic and hold the AIS Convention in England. In his amusing and admirable address at Oregon last year Professor Mitchell, in referring to the size of England, said that if you motored too quickly there you were apt to run over the edge; but don't let that deter you. Some of our country lanes are so picturesque and narrow that if you motor too quickly you will be in the ditch long before you reach the sea. Professor Mitchell's father came from Yorkshire, our largest county, and Yorkshiremen have excellent qualities. The distinguished Chairman of your Species Committee visited England some years ago, and his kindness and humour are still spoken of with the greatest pleasure.

I should like to congratulate the members of your Society on the success they have achieved in hybridizing, and I wish them further success in their efforts. In England we are hoping in due time to make our contribution to the progress which has yet to be achieved in the iris garden.

I should like to stray from the realm of irises for one brief moment and express, very inadequately, I fear, the thanks of the people of my country for all the help and understanding which we have received during recent years from the great nation of which you are members. Believing as I do that co-operation between our two countries is necessary to world stability and peace, I am delighted to think that the Iris Societies of America and England are sharing in a common interest which makes that co-operation easier to achieve. We read often enough in the press of causes of irritation and division, but, as Winston Churchill said recently in the British House of Commons, "The things that unite us are greater than the things that divide." If we could only persuade the leaders of certain other countries, which shall be nameless to-night, to share in our wide and unifying interest in the iris, the world would be a safer and happier place.

Mr. President, I convey to you and your fellow members of the American Iris Society the friendly greetings and good wishes of the Iris Society of England. And I would add a word of personal thanks for the many kindnesses which have been shown to me during my visit to America this year. Several weeks ago, on a very hot day, you, Mr. President, flew specially from Texas to Tennessee to meet me and to discuss problems of mutual interest. That was a very gracious action on your part, Sir, and one which will be appreciated by my family

and friends at home as much as it is appreciated by me. It is my sincere wish that the Sioux City Convention will be a happy and successful one, and that your Society will continue to flourish. To my many friends here I send my warm personal regards.

New Fertilizing Mulch from Louisiana

The bayou country of south Louisiana is famous for the Spanish Moss that grows on the trees in the coastal areas. This moss is gathered by Cajan boatmen who traverse the bayous in wide flat-bottom boats and who pull down the moss by means of hooks on long poles. The moss is dried and ginned and is sold as a stuffing for upholsterers. The by-products of this ginning operation have for half a century been dumped into great piles in the bayou areas. Earthworms are fond of the tender bark that forms the outer coating of Spanish Moss and the deposits that have accumulated literally teem with billions of earthworms. The earthworm castings, supplemented with fish castings, dead insects, and other micro-organisms, over such a long composting period have resulted in making these deposits a superlatively rich plant food. The deposits are recovered, de-hydrated, refined and packed into bags for convenient use. This fertilizing mulch has been used with great success to promote rapid growth and sustained bloom on many types of plants such as roses, daylilies, camellias, African violets, and all types of irises that require abnormal amounts of moisture and nourishment.



LOUISE BLAKE'S GARDEN

HELEN D. MOSELEY, (S.C.)

For more than a hundred years the site of Louise Blake's lovely garden has been known as Three Oaks. Today, only one of the three great trees for which it was named is still standing, and I find myself wanting to use a sub-title or sub-name, and call her place The Happy Garden. Surely never were flowers, trees, shrubs, and vines living in happier circumstances. They have broad sweeps for sunshine, excellent drainage, and good earth food for each plant. No "scrouging" of flower families into small spaces. And best of all, they are tended with loving care. I had the delightful privilege recently of talking to Mrs. Blake in her garden, and it was then that I realized how much of her own wonderful personality is reflected there, and with what fine sensitivity her plants are regarded.

Before I went, I had prepared a sort of questionnaire, to ask her "Which is the most beautiful? which is the hardiest?", etc. She carefully steered me away from these, saying she could not be partial, or something to that effect. After a while I slyly came back to my questions and asked "Which is the quaintest?" She thought for a moment and said, "I believe the Christmas Rose. It is not a rose, but a plant which comes up at Christmas time and has a quaint little flower." "Which is the most fragrant?" I asked. "The Banana Shrub, perhaps, or the Tea Olive, or the Lily which opens at night and you follow its fragrance and find it in the dark." I was beginning to feel triumphant, for she HAD answered two of them, so I went to my next: "How about the most prolific?" With a little gesture dismissing the subject, she said, "I hate statistics! Not long ago a group from Texas came to see my garden, among them a man and his wife and she asked many questions as to which was this, and which was that. She finally tried to pin me down. 'If all your Iris were to be taken and you could keep only four, which four would you choose?' I told her I would say 'Take the other four also.'" And then Louise added with a twinkle in her eye, "Her husband said, 'Good, now I know how to answer her in the future!'" Needless to say, I gave up MY carefully prepared little scheme. I had planned even to ask "Which is the ugliest?" and what a slap that would have received!

THREE OAKS AT IRIS TIME—The Hall of Fame unfurls its beauty before a backdrop of sweet-bay and majestic pines. (Watson—photo)

In the woodland beyond the garden are many virgin pines, so rare in our section now, and dogwood and holly where birds of many species flit about in the branches. Toward the east, just beyond the house, there is a lovely pool where water lilies and lotus bloom in the summer, and in the center a little white figurine watches the goldfish play in the water beneath its feet. When I commented on the pool, Louise said, "So many people want their pools far away in their gardens, but I wanted mine close so I could see the interesting things which fly over it." How like her to envision fascinating little creatures with bright wings flitting and skimming over the water, and becoming an integral part of the garden.

From the pool to the scuppernong arbor there is a lovely walk and all along there are climbing roses,—reds, yellows, pinks, and whites. On the southern side are the wonderful rose beds of every imaginable variety. "Not many new ones each year escape me," she laughed. There are many Hybrid Teas, a large planting of old-fashioned Teas, and a bed of Dainty Bess with Sweetheart roses as a border. "I like my pictures framed," was her clever comment.

Of course, we all know that Louis Blake's fame as a grower of Iris is international. To walk among her Iris is to walk among the elect, for here one finds the rare, the aristocratic, the exotic. They curve along the walks in stately beauty, and wind in rows upon rows along the terraces in a profusion of wondrous color and perfection of flower. There are many groups of great distinction and peculiar interest.

Her "Hall of Fame" contains endless varieties of "Celebrities" from leading hybridizers throughout the country, many of them having been presented to her. And there is a group I should call the "Hall of Flame," so vibrant and brilliant are the colors.

In a group which she calls her "Family Album" are a variety of Iris which have been named for her,—the Lady Louise, Louise of Three Oaks, Neighbor, The Spartan, Louise Blake, and Three Oaks.

In her Debutante group are the little novices which each year are making their bow to Iris society,—and how lovely some of them are! There are the pink ones, the rarest, for until recently it seemed impossible to get the orchid tints out, and these are exquisite in shade.

As interesting as is the garden, the philosophy of the gardener is almost more so. "One should never worry, no matter what happens in the garden. Rain, sleet, snow may come; the gardener may get sick; things you don't want may come up, but one should not worry."

She grows flowers for the love of them, and for love of her friends, and has never sold anything from her garden. She says when she goes shopping she gauges a new hat or a new dress in terms of what new rhizome the price would buy, and decides in favor of the rhizome.

I spoke of the gardener, which reminded me of what she said of old Mame and William, her faithful allies through all these years. "The house has lost much of its individuality since old Mame left," she said sadly, and then she chuckled over a remark she overheard William make one day to a visitor. "'I've been with her just 25 years, but Mame's been with her 40,' and he made it in such an apologetic tone."

One definite thing I learned and that is that Louise Blake is a completely free and independent gardener. It is perhaps one of the reasons why she is such a success. She says that when a clump of Iris is not doing so well, she does not go to the book, she goes to the Iris themselves. "They will tell me what to do. When I see an Iris whose children and grandchildren are crowding her lap, I take them out." "What time of the year should this be done?" I asked. "Oh, any time will do,—if you don't tell anybody," she added, and we both laughed. I knew she was thinking how scandalized some growers would be, not to go by all the rules.

Many honors have come to her, among them the presentation by the American Iris Society of a medal which reads:

"Awarded to Louise Blake for distinguished service to the Society. 1945."

Her name is to be found in much of the literature of leading horticultural organizations, and from one of these, written by an eminent visitor from England, after seeing her garden, I quote:

"For the size and variety of the plantings and for the vigour of the plants, this must very nearly be the finest Iris garden in the world."

In Memoriam: Vesta Saban

Vesta Grisham was born in Crane, Missouri, in 1891. She was educated as a teacher and began her career in Sutton, Nebraska. Later she moved to Basin and thence to Hyattville, Wyoming, where she was married to Harry Saban. She continued her teaching in various schools in her community until 1948 when she was made postmaster of Hyattville.

It is a coincidence that Vesta, as she was simply and affectionately known to hundreds of friends, and the postmaster she

succeeded, Frances Chapin, were both lovers of flowers—particularly iris. Together they made Hyattville a center of iris culture in Wyoming and assembled a representative collection of modern varieties.

Vesta was a lover of all things beautiful—music, poetry, art, nature, and constantly strove for a philosophy of life which might be expressed in a single line found on her desk the morning of her death—"I have within me the power of achievement."

Migration to Texas

FRANCES HYLAND*

Just as the wild geese fly southward in the fall, iris fanciers migrate to Wichita Falls, Texas, and the Guy Rogers' garden each spring.

More than the usual number, if possible, have signed their names in the huge guest book this year. They have come individually and in groups, afoot and in chartered buses, from near and afar. All have a common purpose and a common interest—one of the nation's largest and finest iris collections.

Perhaps the most interesting group this spring, Mrs. Rogers says, was a floriculture class from the Texas State College for Women in Denton. Accompanied by their instructor, Fred Westcourt and travelling by bus, 40 students made a day-long stay in the Rogers' garden. In that "open air classroom," then, they were given firsthand lessons in selection, judging, landscaping, and hybridizing. Many also who had the additional hobby of photography filmed a record of the adventure.

Members of the Lubbock Garden Club logged more than 400 miles when they took a day off to visit the Rogers iris show. They travelled by chartered bus while the Abilene Garden Club filled eight cars for

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THE GENIAL GENTLEMAN FROM WICHITA FALLS SURVEYS HIS FLORAL DOMAIN
(Scott—photo)



IRIS MOTIF IS USED IN GATE TO ROGERS' GARDEN.

(Scott—photo)

the 250-mile round trip to Wichita Falls. Other clubs came from as far distant as Madill, Oklahoma, while still others represented closer points in Texas including Burkburnett, Electra, Henrietta, and Cisco.

Among distinguished visitors were Mr. and Mrs. W. F. Scott, Jr., of Ferguson, Missouri. Mr. Scott is membership chairman of the American Iris Society. Another name which appears in the guest register and which also is well-known in the iris world is that of Mr. A. W. MacKenzie of Albuquerque, New Mexico, a longtime grower and hybridizer. Mr. MacKenzie was accompanied by his wife. Yet another leader in the world of flowers who found time to visit the gardens was Dr. Temple Fay, of Philadelphia, Pennsylvania, a noted brain and nerve specialist.

From Hamilton, Ontario, Canada, came Miss Grace Cutbert whose brother is a director of the Iris Society of Canada. Extreme contrast was found in another signature beside which was listed a home town in Venezuela!

Casual perusal of the guest book found the names of innumerable Texas cities as well as others in California and Louisiana, Arkansas and Michigan, just to mention a few.

All are amazed at the large number of named varieties as well as those varieties which are in the process of development by Mr. and Mrs. Rogers. One blue seedling (# 49-3), in particular has borne lovely and sturdy blossoms this year to bring forth high praise from

all who were lucky enough to visit the garden when it was in flower.

Mr. and Mrs. Rogers work as a team, reading and studying, working and worrying, solving problems and overcoming difficulties. In only one phase of the work has the house been divided and that was due to the fact that the American Iris Society could have only one president at a time. The honor, therefore, went to the masculine member of the team!

Some of the established clumps which were especially noteworthy were:

Chivalry—	Magnificent in a clump
Lockwood—	Red blend with fine stalk
General Patton—	Rich, lustrous, profuse bloom
Lady Louise—	Edged in gold, these ruffled flowers show well in a clump
Ebony Isle—	Dark, rich red
Lilac Lane—	Tall, ruffled
Rose Splendor—	Exceptionally bright and pleasing
Mexico—	A blended variegata that is not harsh to the eye
Bryce Canyon—	Brilliant in golden copper
Blue Rhythm—	Superb in medium blue
Master Charles—	Tall floriferous, impressive
Blue Valley—	Clear color, excellent growth
New Snow—	Superb ruffled white.

Meeting at Lafayette

ALLINE ROGERS, (Texas)

Louisiana natives, Louisiana hybrids, those fabulous swamp iris—these are words that cast a magic spell over many flower growers, especially those who grow irises.

My friend, Mrs. John Gill, has long been under the spell of these flowers, and it was from her that I caught the fever. In a degree it was passed on to two other friends, Mrs. John Murphree and Mrs. G. A. Hill. So when March came, the four of us attended the Tenth Annual Meeting and Flower Show of the Society for Louisiana Irises held March 17-19 in Lafayette, Louisiana.

Having less than four days advance notice of this trip, I set about to inform myself on these special irises. Naturally, my first and most complete sources of information were the A.I.S. Bulletins and the "Iris—An Ideal Hardy Perennial" written and published by members of the American Iris Society. "Louisiana Hayride" by Sam Y. Caldwell, "Bayou Babble" by Mrs. Ray J. Cornay, with articles by Geddes Douglas, Ira Nelson, George M. Reed and Caroline Dormon gave me much needed information. The pictures of Cypress Lake and the beautiful color plates by Miss Louise B. Mansfield intrigued me. Soon I was no stranger in the presence of *fulva*, *foliosa*, *Virginica*, and *giganticaerulea*, even though I could not pronounce that last. (Don't be alarmed, I have it down to perfection now.) One night after midnight I re-read "Evangeline." With this abundance of newly acquired information I recalled the village schoolmaster in Goldsmith's "Deserted Village"—

"The wonder grew that one small head
could carry all he knew."

By noon of March 17 the magic carpet (a new Pontiac) had brought us into Lafayette, Louisiana. In spite of directions from a traffic officer, we were lost three times before we arrived at the Evangeline Hotel. Willie Gill had attended the Lafayette meeting before and knew all of the principals and ropes, yet she had prepared us for the fact that she was in a constant state of being lost in the little city. (Future visitors beware of Highway 90 around the Parish House—it makes a continuous circle). As we registered we met Mrs. Grover Skogg and Mrs. Lillian Trichel. What a wonderful privilege that first introductions were these two ladies! Equally as delightful as the first was the last—delightful Miss Myra Smith of Natchez.

After lunch we were off to Abbeville and the Evangeline country. In the lovely old fashioned MacMillan garden was present an array of flowers. Call the roll and the famous would raise their blossoms to be counted present. We browsed among the named varieties, commented on the buds wrapped in wax paper (these for the Flower Show), then went to the seedling patch. As I was becoming seedling-logged, someone called my attention to the crawdad holes in the ground. Immediately I came down to earth trying to coax the critters out.

In New Iberia the magnificent oak on Mr. Ed. Gebert's estate was a wonder to behold. The master horticulturist showed us his spacious gardens and greenhouses. A crimson amaryllis hybrid was as the young folks say—"out of this world." Being from the land that is a stranger to water, I was equally amazed that a person could be so fortunate as to have a real bayou, (Bayou Teche) at the back edge of the garden. The glassiness of this water reflected the trees, and in turn, the reflection was disturbed by some birds and white ducks.

My anticipation knew no bounds as we drove into St. Martinsville. Here I was to see Evangeline's grave and the little church. At the rear side of the church a small plot enclosed by an iron fence (gate open) was the last resting place of my childhood idol—she whose life was love, devotion and service. The beauty caught by the sculptor in her statue over the grave delighted my soul. But I was heart sick at the neglect of this hallowed spot. Weeds and candy-bar wrappers cluttered the enclosure. There were no camellias, no azaleas, no calla lilies that grow so bountifully in Louisiana. In fact, not a bloom was there. On the iron fence hung a battered wooden offering box. I would gladly have spent a sizeable bill for a few hyacinths for this grave.

The afternoon twilight hurried us into Breaux Bridge then on to Lafayette for the informal supper. This occasion had its beginning when a few early arrivals began eating together—Dutch treat. It is now an established part of the program. Seventy-five people—many new faces—were here at Poor Boy's Riverside Inn. Texas had representatives from Austin, Dallas, Wichita Falls, Iowa Park, and Houston. Several had come from Oklahoma and a couple from California. The enthusiastic Louisianans were there in "the plural and possessive." At Mr. Nelson's suggestion, I ordered crawfish bisque—that is where the crawdad was—and my genial friend even cautioned me to curl the empty shells on the rim of the bowl. Following the delicious food and friendly visiting, there was a showing of kodachrome slides of Louisiana irises. Sidney Conger, Mr. C. W. Davis, Mr. J. G. Richard, and Mrs. J. C. Roberts had interesting pictures of these flowers. Everyone present autographed my program, so I now have a treasured reminder of this special meeting. The cover of the program is a color

print of the 1949 Iris winner, Midshipman, grown by Mr. & Mrs. Joe G. Richard, of Baton Rouge, Louisiana.

On the Southwestern Louisiana Institute horticultural farm is a test garden maintained jointly by the Society for Louisiana Irises and the A.I.S. Here all new seedlings are grown for observation before they are registered and introduced. This might be a point for the A.I.S. to consider in order to separate "the sheep from the goats" in bearded varieties. The bloom in the garden was at least ten days late. However, there were some flowers and I made notes of the following:

SAUCY MIX (Dormon)

NEW ORLEANS (Dormon) beautiful rose pink



VISITORS AT LAFAYETTE—Mrs. J. A. Geary, Lake Charles, La., shows her 1947 prize winning iris Longfellows Gabriel to Mr. & Mrs. Richard W. Luhrsen of Inglewood, Calif.

TANTALIZER (Richard) grey blue lavender
 GULF SUNSHINE (Dormon) yellow
 MARY DEBALLION (Dormon)
 KRAEMER YELLOW (Kramer) sulphur yellow with green throat
 EARLY PINK (Arceneau)
 CHACAHOUULA NIGHT (Richard) blue-purple, lovely
 LOUISIANA DAWN (Dormon) pink blend
 BIG CREST MAUVE (Trichel) with yellow signal patch—beautiful
 GARDEN FAIRY (Nies) yellow

The names of Louisiana irises intrigue me, and I sincerely hope that the Society in endeavoring to collect, preserve, and hybridize these native flowers will keep local color in mind in selecting future names—use names indigenous to its section.

The work in the test garden is carried on under the direction of that master job handler—Mr. Ira Nelson. Enjoying the garden with us were Mr. Lutch Stark, of Orange, Texas, Mrs. Wardlow, and Miss Willie Birge, from Austin, Texas.

Before the Iris Show we had a never-to-be-forgotten hour in the Heymann's lovely estate. Mrs. Heymann in her graciousness conducted us through her gardens. Never have I seen a more heavenly spot, and never have I seen one so impeccably kept as this show place. Louisiana irises were at their best around the pool *and* on both sides of the overflow stream. (Thanks again, Mrs. Heymann, and thanks for the pink camellia I wore in my hair to the banquet).

The iris show and tea proved to be the highlight of the meeting for me. In the large Ranch House on the Abbeville highway Showman Ira S. Nelson with the help of the boys in the college of Agriculture had created a blooming iris garden. This flowering spot was enclosed with an eighty-five year old cypress fence which Lutch Stark later bought and has moved to his Shangri-La at Orange, Texas. Irises were growing, so it appeared, in luscious, loamy soil. The beds were bordered with small plants of coleus and crotons, etc., while, against the fence, taller shrubs made an outline.

To say this man-made indoor creation took my breath expresses it mildly—it was a gorgeous display of those “fabulous natives,” each tagged with a number for the consideration of the many visitors.

Being good material for a prank or joke, I immediately came under the spell of an unusual red iris growing in the center of the central bed—honor spot for such an honoree. After my friends had enjoyed my ohs and ahs, and suppressed remark about its lack of substance, I was quietly told it was Mr. Percy Viosca's red hybrid, created that morning from a poinsettia. There was nothing phoney about the others. They come in the colors of the rainbow, some with signal patches, some

without any marks. A purple with a chartreuse signal patch that had been brought from the swamps for "fill in purposes" was outstanding. Ray Cornay, T. N. Nelson (Showman "Ike's" father), Mr. and Mrs. C. W. Holleyman, and men from the Jungle Gardens had helped gather these "fill in" beauties from the swamps.

In the species section all were numbered. The whites, blues, lavender to purple, pink to magenta, red to terra cotta, yellow to buff to brown—bicolors, plicatas, all were there.

Miss Zelma Patchin and the girls in the Home Management Houses served punch and coffee during the afternoon. I looked until my seeing-capacity was saturated and then a cup of punch and a chat with friends conditioned me to look again. Those who were in the know were busy marking their score sheets. Attempting to make a selection, I soon found myself in the predicament of the country bumpkin who tried to pick the beauty at the Ziegfeld Follies.

In section II, the flower arrangement group, I was more at home. Featured were many informal luncheon arrangements, mass and line arrangements, all done with irises. A monochromatic group done with red cabbage, irises, and salvia was outstanding. As I recall, it wore a blue ribbon. This part of the show was held by the garden clubs of Lafayette and Crowley, with Mrs. R. H. Ryhmes and Mrs. William Trimble in charge. Mrs. Joe G. Richard, Baton Rouge, was in charge of arrangement judging.

Climaxing the day was the banquet in the Oak Room at the Evangeline Hotel. One hundred and seventy members were present for this occasion. The decorations were done by Miss Faenelia Hicks and Mrs. Thomas Bostic, of Lafayette. Mr. Nelson provided the plate favors of iris seedling—true crosses, from the Test Gardens. Mrs. Maple Hughes and her sons, of Lake Arthur brought a box of large rhizomes that were given to the guests.

I am still enjoying the entertainment features with Cajan influence that were provided by Mrs. Ray Cornay. "The Census Taker" was a honey! Thanks to the French teacher at the College.

Mr. W. B. MacMillan presided at the banquet and Mr. Claud Davis the President, made the introductions. As guest speaker, Miss. W. I. Birge, of Austin, Texas, spoke on the performance of Louisiana iris in Texas. We are all glad to report that they grow well in the Lone Star State. Only this morning have I seen Angel Wings, Louise Austin, Lillian Trichel, Boulden, Cajan, Bayou Sunset, Billy Mac, and Edith Dupre, growing to perfection in Willie Gill's small section of paradise. The Saturday before Easter I saw others well grown and displayed by the men's garden club of San Antonio and also in Austin at Mrs. L. G. Phare's garden.

The award for the best iris in the show went to Mr. and Mrs. W. B. MacMillan, for their large lavender seedling, LINDA LEACH. Peggy Mac, as she is lovingly called by her friends, with becoming modesty accepted the beautiful serving tray—a gift of the men's Civic Clubs in Lafayette. Awards of silver coffee spoons were given to winners in each of the seven color classes and arrangement divisions. Mr. Percy Viosca received a cooking spoon for his poinsettia creation. An award that pleased us from Texas was given Marie Caillet, who has served the Society outstandingly as its Secretary-Treasurer. This little lady is Texas' contribution to Southwestern Louisiana Institute.

Long to be remembered is the Tenth Annual Meeting of the Society for Louisiana Irises. This group, organized in 1941, became a part of the A.I.S. in 1948. It now has a membership of 215 members—45 of these since January 1, 1950. The enthusiasm of its members knows no bounds. They are years ahead of us who grow the bearded varieties. While we are still striving for form, substance, branching, and color, the Louisianians just gather the flowers with all of these qualities from the swamps. All they need do is name them, on the side, do some work on the Abbeville Reds—not color, but form and substance. Here may I pause and pay my respects to the many women who have diligently and successfully worked in this Society. Well do they deserve their many laurels.

Plans are already made for the return next year of these four Texans. We are going with spades, tubs, rubber boots, and an ample supply of Time. The hospitable people there made us welcome, the flowers delighted us, and the food was "larapin." So when the Texas sky turns the color of rancid mustard and develops into wind and sand; when the land here is a stranger to water, and that man spits a mile and a quarter—watch for us Louisiana, with your balmy atmosphere and flowering marshes. Here we come on that magic carpet still under the spell of those fabulous LOUISIANA Irises.

The 1950 Iris Season In Southern California

The iris season began about March 10th and on the 19th some of the judges went to Redlands to see the oncos in bloom. Mr. Clarence White had a large planting of them on a hill close to his home. Most of us were accustomed to the brilliant colors and unusual combinations of the oncos, but this lot surpassed any that I had seen. I will not attempt to describe them because they must be treated almost as annuals and some had already turned brown and were ready to be discarded. Mr. White has the space, fine breeding stock and the expert knowledge of the technique required to bring them to perfection. My readers who know Mr. White will be happy to know that he has better health in his 81st year than he has had for a long time and the last we saw of him he was bouncing down the hill in a jeep driven by his assistant.

We stopped at the Milliken Gardens on the way home. The flowering trees and shrubs were in bloom and as usual it was a delightful spot. Mr. Milliken had brought in a few seedlings from his fields some 10 miles away. Two handsome yellows and one that reminded me somewhat of old Labor in ground coloring, but it was blended with brilliant purple and had a high gloss finish. It was tall and well branched. He hopes to name it Trailblazer.

The weather turned hot after this trip and the iris began to bloom overnight on short stalks. The Hollywood iris show was set for April 29th and 30th and for several weeks we were much discouraged, but it turned cool and when the day came, we had a wealth of fine bloom and a very good show.

I was interested to note the growing use of the Douglasiana hybrids and the extensive use of the fine new spurias in gardens and in show exhibits. The painstaking work of Mr. Eric Nies has given gardeners new and beautiful varieties of both. Amaquita and Arioso are two delicately colored Douglasianas. Many are familiar with Blue Sage, a large flower of deep blue of fine form and Orchid Sprite a pure orchid. Color Guard, one of the newest spurias has deep blue standards and a wide blue band about the yellow signal patch. Cherokee Chief attracted my attention across his garden the first time it bloomed. It is a velvety brown beauty with a soft tan underlay. Spurias were used to make corsages in one section of the show, and the most attractive one for this purpose was Two Opals of delicate iridescent coloring. They looked almost as good as expensive orchid corsages.

The San Fernando Valley where I live is fast becoming a commercial growing center and the owners had good displays in the show gardens of their plantings. Miss Elma Miess has a large field on the outskirts of San Fernando. It is well cared for and the specimen bloom can be easily checked by visitors. A planting of her new blue Tenaya was flanked by her cream and gold Spring Romance. She brought a yellow seedling to my house that may be named. It is deep yellow with large handsome flowers and perfect arrangement on the stalk. I liked that one.

The Lyon Iris Gardens located on Woodman Avenue in Van Nuys, have large plantings of the new douglasianas and spurias. Their new yellow Charmaize was in good form and two good reds showed up in their seedling bed.

Marion Walker, the new A.I.S. director from this district, is campaigning for Congress and was too busy to have the judges see his things this year, but several of us grew his two-toned, creamy Sespe. It is a lovely individual flower and makes a good clump. Mr. Walker brought two of his seedlings to the Hollywood show. One called Mohr Majesty, a huge plum purple self, is a direct derivative from William Mohr and the other was a large beige with the darker markings of the oncocyclus.

The Sign of the Iris Gardens is owned and operated by Mrs. Laura Burbridge. She grows about all of the newest introductions and masses of the older varieties and the place is a sheet of fine bloom. She is located only a few miles away from my place but her iris were gone before the show.

Mrs. Elsie Heimer's private garden in Sherman Oaks is the Mecca of all iris fanciers and judges. She has an up-to-date collection and an artistically landscaped background and grows iris in small clumps. Distance, with Spanish Peaks back of it, Golden Ruffles and the old and always satisfactory Berkeley Gold, New Horizon, and Cherie were some that I especially noticed. I made two trips to see Tom Craig's plantings. One is located on Mount Washington, near his home and the other some miles down the coast. 100,000 seedlings were too many for me to evaluate, in spite of my years of experience, but I will try to mention some of the outstanding things I remember.

I was particularly interested in the oncocyclus seedlings. Out here they multiply and bloom heavily from year old divisions. Blue Moon was a clear light blue and there was a pure white and ruffled lavender that was very good. He had many crosses of oncocyclus x plicata, a clean blue called Cereulean, a small one direct from William Mohr called Gros Grain and one of smoky wisteria coloring with deep signal patch, called Moon Moth. There was a run of very lovely blues of various sizes, shades and forms. Headlands was a very large one and

a paler blue from the same breeding is Silver Platter. One crimson red in the home garden was called Crimson Glaze. A bright orange-brown blend is Hot Copper and one that I liked very much was an orchid pink blend with burnt umber beard and hafts called, appropriately, Cheeks of Jan. One very exciting blend was almost pure orange, accented by a small blue blaze. There were many spurias that appealed as I passed by; one a yellow and white bicolor and a very pale one called Sweet Butter. A smoky blend is Sun and Shadows, and a large white is called Big Cloud. There were thousands of pinks. Some with tangerine beards and some with lighter beards. Many of them were four feet tall and fairly well branched. I did not have time to pick any from the planting.

I had a number of good things in my garden this year. Pinnacle bloomed well and looked as it did in Oregon last year. It was planted near New Era. New Era has whiter standards, but the falls are olive yellow. The dark varieties do not do as well as others for me, but Ebony Echo, Golondrina, and Night Spot bloomed in good form and Ebony Isle is most outstanding.

I have seen many of the highly advertised pinks in commerce and thousands of seedlings and the end of this season finds me a bit bewildered as to their comparative worth. Pink Cameo, Cherie, and Courtier were my favorites again this year. Twilight Sky is among the best, but of a deeper shade. It has extra fine form and placement. Afar is of the same shade as Twilight Sky and it too rates with the good ones. A newcomer from Walter Buss called attracted much attention. There were four bloom stalks on a new plant. Its flower is medium sized and neat and trim of soft pink coloring and pale beard. It is different and I think desirable. Heritage failed to bloom, but Radiation bloomed well and it too rates a place among the best. It is a beautiful flower, indeed. In the opinion of many visitors, Melody Lane was the most distinctive new one of the year. But today, Seafarer and Truly Yours have come out and while no one is about judging any more, they can both have my vote. Seafarer is a pure medium blue with beautiful finish and white beard. Truly Yours has very white falls, golden yellow standards and golden shoulders sharply defined on the hafts. An iris aristocrat.

Lack of space does not permit a full description of all I had here, but a small clump of Star Shine, with six tall, graceful stalks attracted everyone. The flowers are softly colored, flare widely, and have a deep sheen. A small clump that was a delight to my eye was the bright rose pink of Morning Song. It is like nothing else. Gay Border and Plum Pretty were as seen at DeForest's last year. Pierre Menard is still "King of the Blues" so far as I am concerned and Cahokia, the

paler blue that came out at the same time, is equally good in a different way. Aztec Indian is a brilliant variegata that was well liked; High Command a brilliant yellow and red combination, Charles Gersdorff and Mary Vernon are both handsome variegatas, and Staten Island, new to me this year, is worthy of a place in any list. Far Hills of rose heliotrope is the only one of that coloring I know and it is lovely when planted with a pale blue.

Two months of iris should be enough for anyone, but I find myself wishing that I was going back home to see the Illinois gardens and attend the Sioux City Meeting.

MRS. DOUGLAS PATTISON
(Sherman Oaks, Calif.)

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AFAR—LAPHAM '48 An iris that makes a very bright spot in the garden, in color effect, it's a pink, but close up it has a lot of creamy-tan. Everyone admires it, and the flowers are well placed and of nice form.

AMITY—COREY '47 Tall well branched stalk, large flowers of white, brushed with blue-lavender. More of a fancy than a plicata.

ARGUS PHEASANT—DEFOREST '48 Beautiful shade of golden brown. Falls are well rounded and standards nicely domed, a true self even to the beard. Nice garden clump.

AUGUSTA—McKEE '48 A sister seedling of Miogen I should judge. Tall and well branched. A nice blend of wine and blue shading, mingled with brown falls, having a blue blaze at tip of beard. For California Miogen is the better iris as it holds its color well in our hot sun.

BAY STATE—COREY '49 Here is an iris that is truly BLUE. There is no violet in this iris. Compared with Blue Valley or Sky Ranger it makes them both look more violet than blue. Stalks are about 40 inches—well branched. Flower is clean and has no reticulation on the haft. A welcome addition to the garden.

BILLET DOUX—DOUGLAS '46 Makes one of the most beautiful clumps of light blue for a border iris. Flowers are well formed, slightly ruffled. On a two year clump it is breathtaking.

BLACK BANNER—NICHOLLS '47 With its beautiful blue-purple velvet falls, and slightly lighter standards, this iris is outstanding in the garden. All visitors admire it. Medium tall stalks, smooth finished flowers.

BLUE ELEGANCE—JORY '48 An onco-hybrid. Flowers are large and of good form. Standards are slightly lighter than falls, which are a chicory blue with darker veining of blue. A most interesting iris.

CHAR-MAIZE—LYON '49 In a new color class, this iris has almost everything, height, branching, form, and shape. Falls are well rounded with a very pleasing ruffling. Color is deep yellow, with a cast of chartreuse over the yellow giving the flower a most pleasing color.

COLOR CARNIVAL—DEFOREST '49 Here is an iris you either like very much or dislike. Almost two hundred visitors in the garden this season and only four remarked "You keep it." They were judges. I think the public are the ones who truly enjoy iris—not judges. The color is a soft strawberry pink with a purplish area on the haft, it is striking with the tangerine beard.

COOL LEMONADE—MUHL '47 A nice formed flower, but outside of form it has nothing to offer.

FANTASY—HALL '47 A much admired rose orchid pink, the tangerine beard blends well with the color of the flower. Good form and substance, and stands the California heat well.

FIRE DANCE—FAY '47 A very fine red plicata. Nice placement of flowers, which are buff edged with red. Standards are marked all over red. A bright addition to the red plicatas.

GOLDEN RUFFLES—C. C. TAYLOR '46 An iris that should be in everyone's garden, tall very heavy substance, large, well formed flowers with a slight ruffling. Yellow in color with a very faint white patch at the tip of the beard. Year after year this iris performed beautifully and never wilts nor fades in the sun. An iris to be enjoyed by every iris lover.

HERITAGE—HALL '49 Another of the pink iris with tangerine beard. The substance is much better than in most of Hall's pink line. It has pleasing form and rather good branching.

IVORY TOWER—M. WALKER '48 A banana cream in color. This iris is well branched, tall stalks, and broad falls, closed standards. It blooms early in California and is a nice addition to the garden.

MARION VAUGHN—K. SMITH '48 Just another lemon color iris not much to recommend it but its ruffled form.

ORANGE GEM—McKEE '48 A beautiful flower, but not as orange as its name implies. Should make a very bright spot in the garden in a large clump.

ORIENTAL BAZAAR—BUNEAUX '48 A very lovely pastel blend of good substance and pleasing form. The standards are amber with a flush of red near the edge. Falls are rose with a bit of lavender tint and edged with the amber. A very lovely clump in the garden.

PEACH PARFAIT—CRAIG '49 A nice pink with a pink beard has the heaviest substance of any pink iris I have seen. Beautiful branching and nice form.

PEG DABAGH—CRAIG '48 A William Mohr derivative of a blue violet color. Tall stalks and large flowers. A grand addition to the garden.

PIERRE MENARD—FAUGHT '48 A tall well formed iris in a new shade of blue. The standards being somewhat the shade of blue hyacinth. The falls are a violet blue with a bright yellow beard. This iris was breathtaking in a clump this year.

PURPLE MOOR—LAPHAM '47 A beautiful purple iris with velvety falls which are well rounded. There is a beautiful sheen over the whole flower. It is a self without any haft markings. Reminds me of Master Charles, but taller, larger, and better form.

QUAKER MISCHIEF—C. G. WHITE '48 Makes me think of a Quaker lady I knew years ago in Boston. Lots of dignity and poise. In a clump everyone stops to admire it. The background is blue-gray with over tones of lilac and bluish violet. It is tall and beautifully formed.

SKY RANGER—HALL '48 A tall medium blue iris of very pleasing form with a large white signal patch on the falls. This iris is very coarse in appearance, in fact, it was a big disappointment, just did not come up to the Hall introductions.

SPRING ROMANCE—E. MIESS '49 Tall and well branched with good substance. Falls and standards slightly ruffled. A yellow iris, in a class where there are many finer yellow irises of the same color. One wonders at it being introduced.

TWILIGHT SKY—FAY '48 One of the pinks that is *truly pink*. The reddish beard blends nicely and the soft ruffling is very pleasing. An iris that everyone who visited my garden remarked about. There was no criticism from anyone about this iris.

VIGIL—J. WILLS '47 A beautiful tailored white iris. Tall and dignified with flaring falls, tight closed standards. Beard is white. An iris everyone wants who sees it.

GERTRUDE STUETZEL, (Canoga Park, Calif.)

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Some digestion will be necessary to help me decide what impressed me most in the eight gardens I saw yesterday, but perhaps I had better mention first what I saw at Clarence White's in Redlands. An English importation "High Command," was in top condition. A large well-formed flower, with standards of a butter yellow and falls of the same color as black-strap molasses made of rich velvet edged with yellow. This iris can be confused with no other known to me. Some imagination will be necessary to conceive of molasses made of velvet, but this iris affects the imagination that way. Mr. White said that he acquired the iris by trading an old typewriter for it. With the English

too short of dollars to buy American typewriters, the idea may be of interest to others.

The onco-species iris were over but Mr. White's oncobreds were in fine form. He most ruthlessly cut a large bunch and thrust them into our arms as we left—Some Love, Nelson of Hilly, and others by the dozen. He was growing some of Tom Craig's and Stafford Jory's hybrids, large blooms resembling well-grown Ormohrs, but in chalky shades of dull blues and greys on the pale side having sharply pointed "vandyke" beards in almost black shades. Unique, striking, a remarkable achievement by the originators; but I am not prepared to say they are beautiful. Some of Mr. White's "work in progress" was seen, white standards with falls of woven tapestry, gold threads amongst the brown, or white threads amongst the blue. One of these "tapestry" iris, in the gold and brown shades, had four standards and four falls all horizontal, but with vertical style arms.

In Carl Taylor's garden White Ruffles and Gentle Florence were on their best behavior. White Ruffles makes a marvelous display. Golden Ruffles was not yet open. We saw his 1950 introduction Pink Matron and Violet Bright.

Fred Kennedy's garden at San Dimas contains practically all the Van Tubergen and Max Leichtlin iris. All rules about growing oncos or regelias are violated with complete abandon by Mr. Kennedy. He has unlimited supplies of chicken fertilizer and uses it. He does not lift his iris in the summer. His oncos are growing in what was formerly a chicken run. Here we saw two of the finest orthodox (as far as appearance goes) tall bearded iris imaginable. They were new seedlings this year, one was from Snow Flurry x Luna; five feet tall, in coloring very like Shining Waters, it had broad flaring falls, fine branching with eleven buds on each of its two stalks. It was a magnificent plant, but looked as if it was a slow increaser for there were only two fans of foliage. The other was Purissima x Joppa Parrot, an off white with insignificant pale yellow beard; a huge flower with round falls and a suspicion of its onco heritage. They were two magnificent iris.

My garden is a failure this year. I do not know what happened. More than 50% of my two year clumps still show no sign of a stalk. Maybe our December freeze hit at a critical time for the embryo blooms.

One more thought. I have some rot, not very much, but about 1 or 2%. In every case I find wire worms in the rotting rhizome. I wonder which comes first—the rot or the wire worms? (Ed. Note: Probably the rot came first—wire worms seem to be attracted to decaying vegetation).

Roy W. FIELDING, (Cal.)



In Search of A Blossom

GEDDES DOUGLAS, (Tenn.)

On Wednesday, May 3rd, Mr. H. J. Randall, president of The Iris Society arrived in Nashville for an iris visit. In response to our urgent request he had delayed his trip as much as possible, but even so upon his arrival, in my garden there were but two tall bearded irises in bloom and it was little better in the Wills' garden. When he first planned his trip we expected an early season for in common with much of the country we had a warm winter here with much rain. In fact, during January we had an excess of some 13 inches. Beginning in the middle of February we had a series of freezes; the last one came about April 20th when many iris were in bud. It was inevitable, therefore, that our season should be late and also that many varieties which we would normally expect to bloom gave no bloom whatsoever. I noticed that established clumps bloomed much better than newly set divisions. There was almost no bloom on first year seedlings.

Considerable damage was evident in practically every variety that contained even a small amount of tender blood in its breeding. There were great gaps in the seedling rows where the lush clumps of January had disintegrated into a few mushy rhizomes of May.

In order that Mr. Randall's trip would not be a complete disappointment, Mr. Wills and I took him first to Corinth, Mississippi, thence to Memphis, Tennessee, and on to Little Rock, Arkansas. In Corinth we visited the garden of Mr. Milton Rubel. Here we found a modicum of iris but peonies in quantity. Many of these peonies were seedlings of Mr. Rubel's own raising and of special note was a Siberian iris seedling planted at the edge of a pool. This seedling was snowy white with a band of a greenish gold across the haft.

In Memphis we saw fine blooms on John Pierce's collection of tall bearded novelties. His seedlings were past their prime, but No. 49-23, a pale ruffled blue was the center of much attention. In Mrs. Ketch-

LOUISIANA IRIS VARIETY, Dan DeBAILLON, IN THE GARDEN OF MR. & MRS. FRANK CHOWNING, LITTLE ROCK, ARK.

Visitors (from left to right) H. J. Randall, Surrey, Eng., John E. Pierce, Memphis, Tenn., Mr. Chowning, and J. E. Wills, Nashville, Tenn.

um's garden the bloom was excellent. Pinnacle, the much talked of yellow and white bicolor from Mrs. Stevens in New Zealand, proudly carried two fine flowers. In the garden of Mrs. E. R. Fox we found a most attractive color grouping and also a long row containing all the Dyke's medal winners save three. Mrs. Leo Reynolds lives quite a distance from Memphis and without the protection of the buildings and trees of the city. Her garden had suffered considerable frost damage. This was also true of the formal planting of Mrs. C. R. Clark. We visited Mrs. Clark's garden in typical iris weather—the rain fell in sheets accompanied by much thunder and lightning. The following notes are on varieties seen in the several Memphis gardens:

- CASA MORENA— large, colorful, grand stalk.
- GILT EDGE— Surely this is one of the better ones in the white and gold class.
- TWILIGHT SKY— This pink bud has everything—substance, color, branching, thrifty growth.
- ILLINOIS— Pleasing color but the flower is somewhat large and droopy.
- ROSE SPLENDOR— A new shade of rose as an iris color. This iris should prove to be excellent as a garden clump. I found myself making mental notes to plant it with Distance and Amandine.
- RHUMBA ROSE— An interesting blended purple neglecta.
- TALLY HO— Those that object to lines and markings will pass this one by, but its red violet color and tangerine beard stand out in the border.
- GOOD NEWS— One of the best of the Kleinsorge browns, but bright!
- PURPLE MOOR— Much on the order of Master Charles. Rich and colorful.
- BRASS BAND— I found the color not to my particular liking.
- GOLD SOVEREIGN— Originally introduced under the name of Gold Nugget. This medium sized orange-yellow is the brightest and most intense of any iris. It is excellent.

In Little Rock we found great plantings of older varieties at Walter Vestal's home. At the country place of our new director, Joe House,

the bloom was somewhat past its prime. Here are long rows of both old and new introductions planted in an orchard. Mr. House grows peonies, hemerocallis, tuberose, and lilies in great quantities. The visit to the last stop on our itinerary was a fitting climax. In the garden of Mr. and Mrs. Frank Chowning we saw a preview in part of what one may expect at the 1951 meeting. Frank grows the Louisiana varieties to great perfection and many of the varieties were of his own creation. He has worked along the line of hardiness and vigor as well as beauty of flower and his efforts are being rewarded with signal success. Accolade, a lovely pink beardless, was in full flower. There was a magnificent clump of Dan DeBallion, a rare collected variety from Louisiana. Many hundreds of seedlings were in bloom showing wide variation of color and type.

With great reluctance we left these beautiful flowers to return to Nashville, but in the few days that had elapsed many things had come into bloom. One of the surprises of this season was Golden Russet. In the Wills garden, grouped with Miogem, it made a notable display.

Penn Charter is a great flaring golden yellow that shows great promise. Lockwood made a good clump of blended red. Chivalry fairly outdid itself. Last season I made up my mind that I did not like Pretty Quadroon. Even though I did not tell anyone about it, this season I feel that I must make amends, publicly. You simply have to like a flower that blooms as fine and as profusely as Pretty Quadroon did this year.

As I write this the last of our late ones are coming into flower—Extravaganza, Adios, Three Oaks, and the rest. The season was short and unsatisfactory. But hope ever springs eternal—already we are clearing away the rotted carcasses of this year's tragedy and are planting tomorrow's hopes for the future. Come by and see us on your way home from Shreveport next year. We should have some fine seedlings to show you.

Consider the Virginicas

CAROLINE DORMON, (La.)

Little attention has been given the plants tentatively grouped under *Iris virginica*, but many of them are quite attractive, and, under certain conditions, make a lovely display. There has been—and still is—so much confusion in the genus *iris* that it is difficult to fix any species definitely and permanently. It would seem that the Linnaean *I. virginica* was what was later known as *I. versicolor*, a species belonging to the Northeastern states. The latter may be a form of *virginica*.

It seems more probable that the iris formerly separated as *I. Carolina* is the same as the one we know as *virginica*. In his *Flora*, Dr. Small says, "There is greater variation in color in *I. carolina* than in any of our species. The perianth shows shades varying from dark violet to pale-pinkish, and a pure white albino has been found in Florida." In recent years, *virginica* has been collected in shades of delicate lavender, violet, pure white, and magenta-pink. They also vary greatly as to size. In South Louisiana a form has been found with tiny white flowers—not showy in a planting, but exquisite in flower arrangements. The other extreme in size is a white of lovely form, with five-and-a-half-inch flowers. This was collected in Southwest Louisiana, and came to me through W. B. McMillan and Mrs. Milton Trichel.

A delicate lavender-pink variety was collected in South Louisiana by J. G. Richard. This one is unusual, in that it blooms early, with the big Louisiana irises. A still brighter one, which gives quite a pink effect in a planting, was brought to me by Frank Chowning, of Little Rock. He, however, told me that he got it from one of the Southeastern states.* The deepest colored one that I have seen was contributed by Mr. Richard. It is *clematis* (Maerz and Paul), with a bright orange signal. This, too, came from the eastern coast, I am told.

Several years ago, I purchased *I. carolina* from Carl Starker, as I have tried to collect all species of native iris. It is a lovely thing, with bright violet flowers, borne in profusion. The tall, much-branched stems are glaucous-purple, which adds to their charm. It is the tallest of this group that I have grown, sometimes four feet.

Right here in a bog in my sand hills, I found an interesting variant. Dr. Small was puzzled by its location and unusual form. The dainty lavender flowers are formed more like a bearded iris, with curving upright standards. Like the *carolina* I mentioned above, it has purplish stems, and when the "fans" of leaves first appear, they are bright violet.

Dr. Small's *I. shrevei* certainly belongs in this group—whatever name may be given the species eventually. The dainty lavender flowers are much like those of the *virginicas* collected here in Louisiana.

All the iris mentioned here have the very long slender fruits quite similar in form to those of *I. pseudacorus* of the Old World. All have broad ridged leaves, and tough, pinkish rhizomes. They are finding special favor in my eyes, because rabbits will not eat them! The latter simply mow down my Louisianas.

My *virginicas* are growing in a natural bog. So far as I know, no one as yet experimented with them as garden plants. This opens up an interesting field for experimentation, for these irises have much to recommend them. So far as I have found they are disease resistant, not even falling prey to the disfiguring rust and leaf-spot. Most of them bloom later than the Louisianas, thus prolonging the season. In large grounds, with streams or pools, I can think of nothing more attractive than clumps of these plants. And their exquisite grace makes them invaluable as cut flowers.



IRIS VIRGINICA
(drawing by Caroline Dormon)

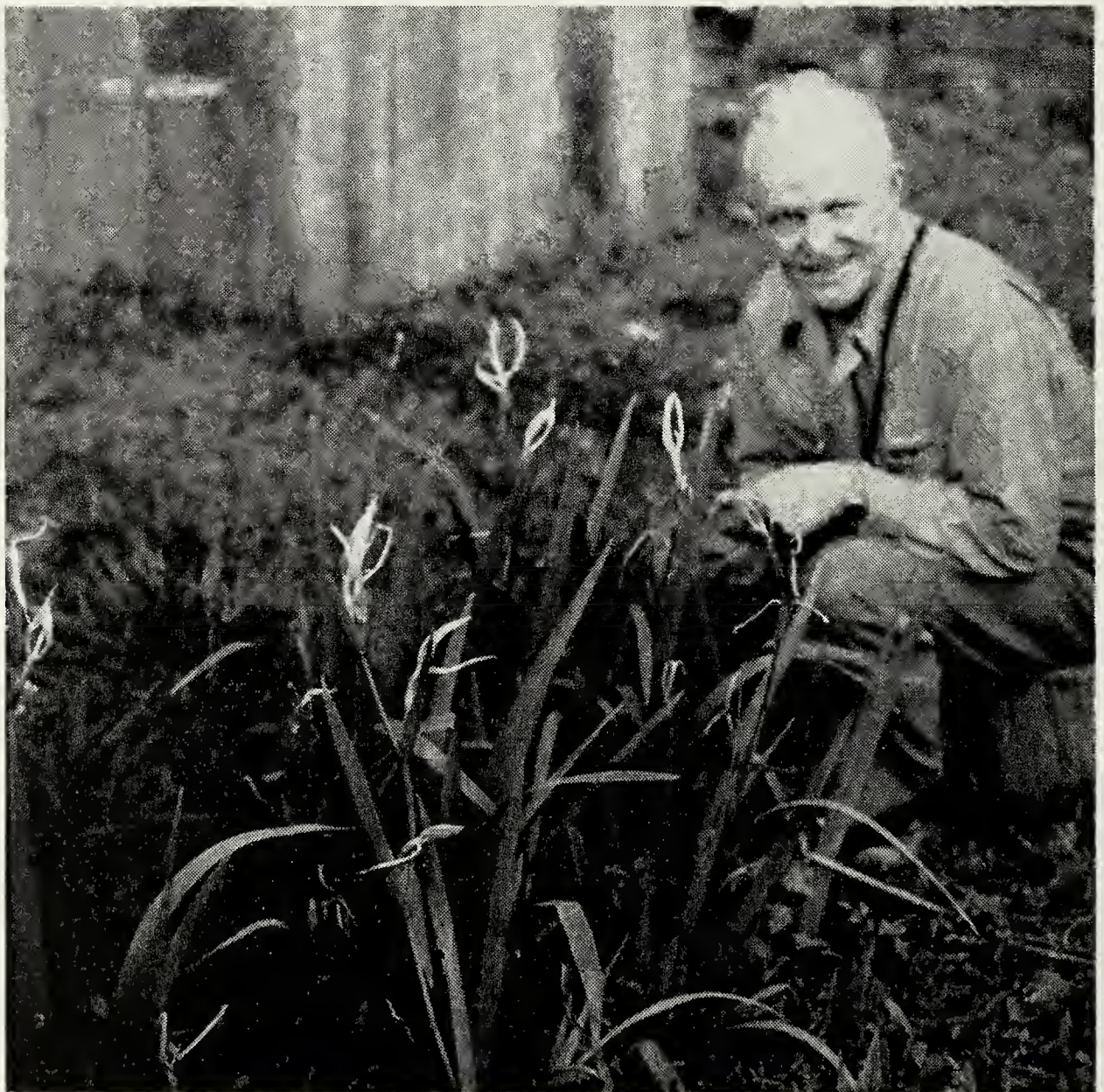
* EDITOR'S NOTE: The variety received from Mr. Chowning by Miss Dormon has been identified as *A. H. Nicholls*. It is described on page 83 of the Check List. The color description—W1 gives little idea of the redness of the flower.

A STARTLING NEW "BREAK" IN LOUISIANA IRISES

HERBERT L. DOZIER, (La.)

With the arrival of the blooming season for Louisiana iris, the latter part of March and April, the rush begins to cover as much territory as possible in order to see the numerous new seedlings being produced by others. Each cross holds forth infinite possibilities and promise. The hybridizer with a discriminating eye is always on the lookout for new varieties and pollen that will possibly yield something different. It is the unfolding of a breath-taking bloom of a recent acquisition or a worth-while seedling of unusual color, form, or size that invariably renews our interest and enthusiasm for more hard work.

The Louisiana native iris has long been popular with the amateur collector and gardener but undoubtedly some of the very finest things

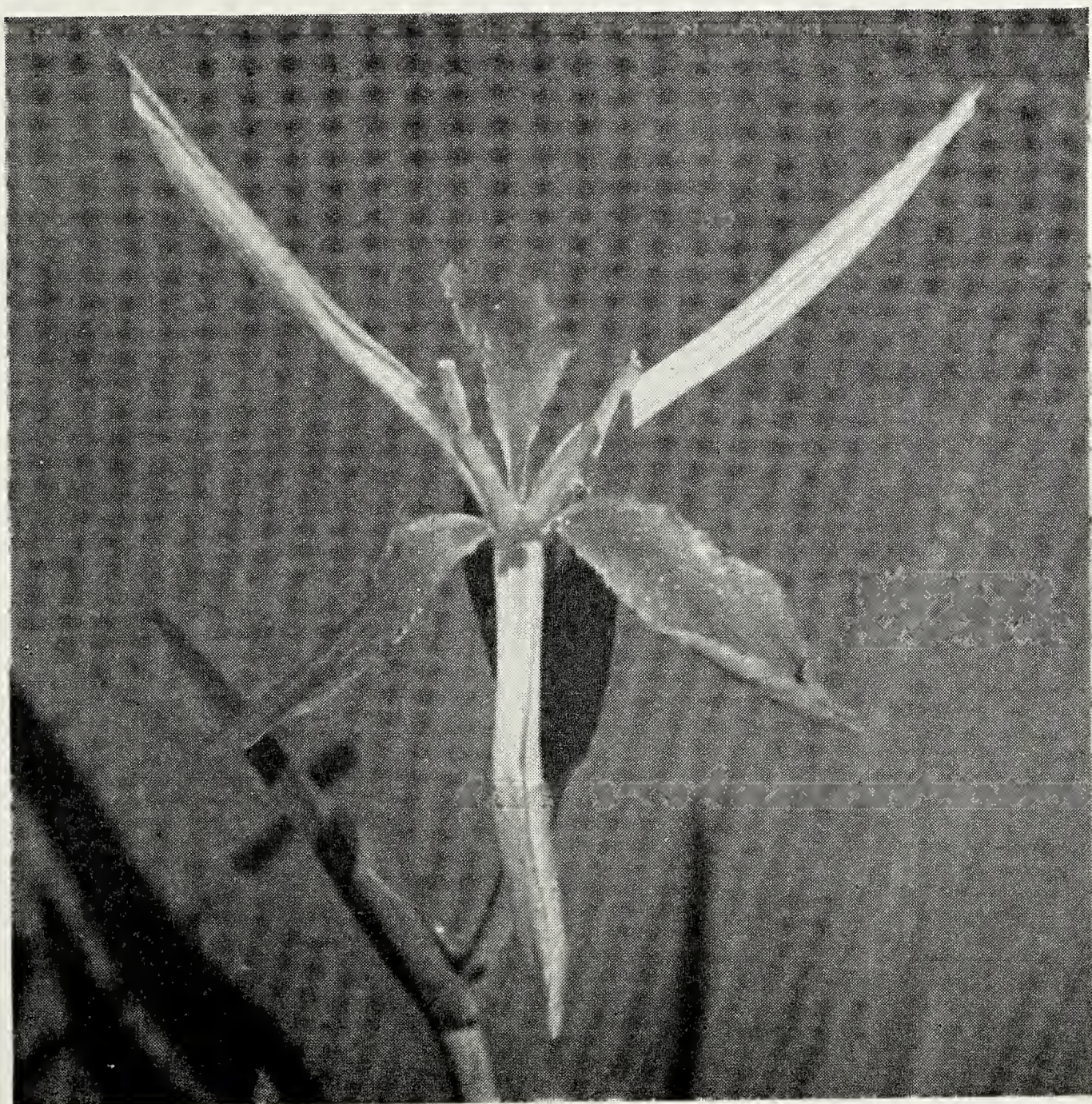


NATIVE IRIS ENTHUSIAST, CALVIN BLUE, INSPECTS "MARINGOUIN FREAK"

(Dozier—photo)

yet await discovery, hidden or lost among the myriads of wild bloom along the edges of bayou, swamp and coulee. In recent years a small band of enthusiastic hybridizers has accomplished wonders. They are always on the lookout for something new and promising.

Back in 1942, while collecting a few yellow iris in an extensive stand for *fulva* in a swamp north of Maringouin, Louisiana, Mr. J. M. Hobgood brought in a small yellow and red iris and planted it in a low spot back of his barber shop. There it remained unnoticed over the years until it was rediscovered in April, 1949, by Calvin Blue, enthusiastic iris collector and breeder, of Lafayette, Louisiana, who fortunately recognized immediately its possibilities for breeding and took a bloom to the Iris Test Gardens at Southwestern Louisiana Institute where it was shown to the writer and Prof. Ira S. Nelson and its uniqueness confirmed.



A CLOSE-UP OF "MARINGOUIN FREAK"

At a casual glance "Maringouin Freak" looks like a small, insignificant thrips-deformed bloom. Careful study, however, shows it to be a true reverse bicolor, with very narrow bright lemon yellow sepals or falls that stand erect and rose red, flaring standards or petals; the stamens are protruded entirely beyond the yellow style arms. In fact, everything seems to be the reverse of what is expected in a normal bloom. In spite of its "freaky" appearance it represents the first true bicolor of distinctly contrasting colors to be found in the Louisiana group and opens up wonderful possibilities for the breeder.

The new bicolor is an early bloomer and its pollen has proved to be highly fertile. Numerous successful crosses were made during the past two seasons by Blue, Nelson, and the writer. The offspring have been among the very first seedlings to sprout in the three separate gardens and have grown with considerable vigor. Several successful crosses have been made also on "Maringouin Freak" itself. From the earliest cross (Cherry Bounce x Maringouin Freak), made April 6, 1949, the writer now has several extremely vigorous seedlings that may bloom this season. Seedlings obtained from several self-pollinated pods from the original clone should also give us some clue as to the origin of this remarkable new "break" in both color and form. We can only hope that the structural defects are not too closely tied up with the genes that govern the new color combination.

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FRANKLIN COOK

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PROPAGATION BY PROLIFERATION

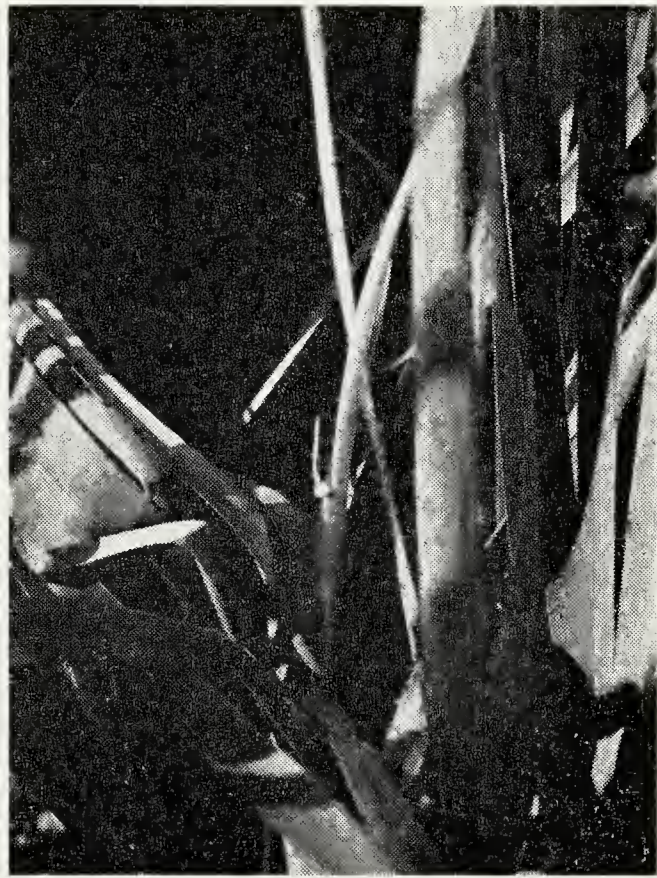
ERIC NIES, (Calif.)

Nearly everyone who has grown *Hemerocallis* has noticed the tendency of some varieties to send out young plantlets in the axils of the leaves of the flower stalk. If these young plantlets are removed and planted they become in time adult plants exactly like the plants from which they were taken.

In the case of irises this process rarely occurs. And in the experience of the writer, when it does occur the part affected is nearly always the terminal flower bud. Over the years this has been observed in bearded and in *Spuria* irises. It may happen in other sections of the family, but the writer has never seen it. The accompanying photographs show proliferation along the flower stalk in the axils of the bracts, but not in the terminal bud.



FIGURE I.



(Nies—photos)

FIGURE II.

Since these photos were taken, there has come to my attention a bulletin of the Louisiana State University, titled *Louisiana Iris*, written by Joe E. Richard of the Extension Service of that University. In this bulletin Mr. Richard tells how this tendency may be artificially induced as a special method of propagating the Louisiana irises. By the way, everyone who likes the Louisiana irises (and who doesn't?) should have a copy of the bulletin.

However, the iris of this present article is Two Opals, a Spuria, and the proliferation was naturally produced. Some of the flower stalks produced three or more proliferations. To have this happen to Two Opals was particularly gratifying, because there always seems to be a shortage of Two Opals stock to take care of the market's demand.

These proliferations may first be detected as the stalk leaf or bract splits at its junction with the stalk. Careful examination will show a swelling of the stalk at this point, and is more pronounced than that of an ordinary node. The splitting is due to the growth of a tiny corm-like bud. Actually this bud may be classed as a true corm, as it answers perfectly the botanical description of a corm.

The corm grows, widening the split in the bract, and can easily be seen when it is about $\frac{1}{2}$ inch in diameter, as is shown in Fig. 1. At this time it usually has no leaves or roots of its own, and it looks like a young, nearly white gladiolus corm.

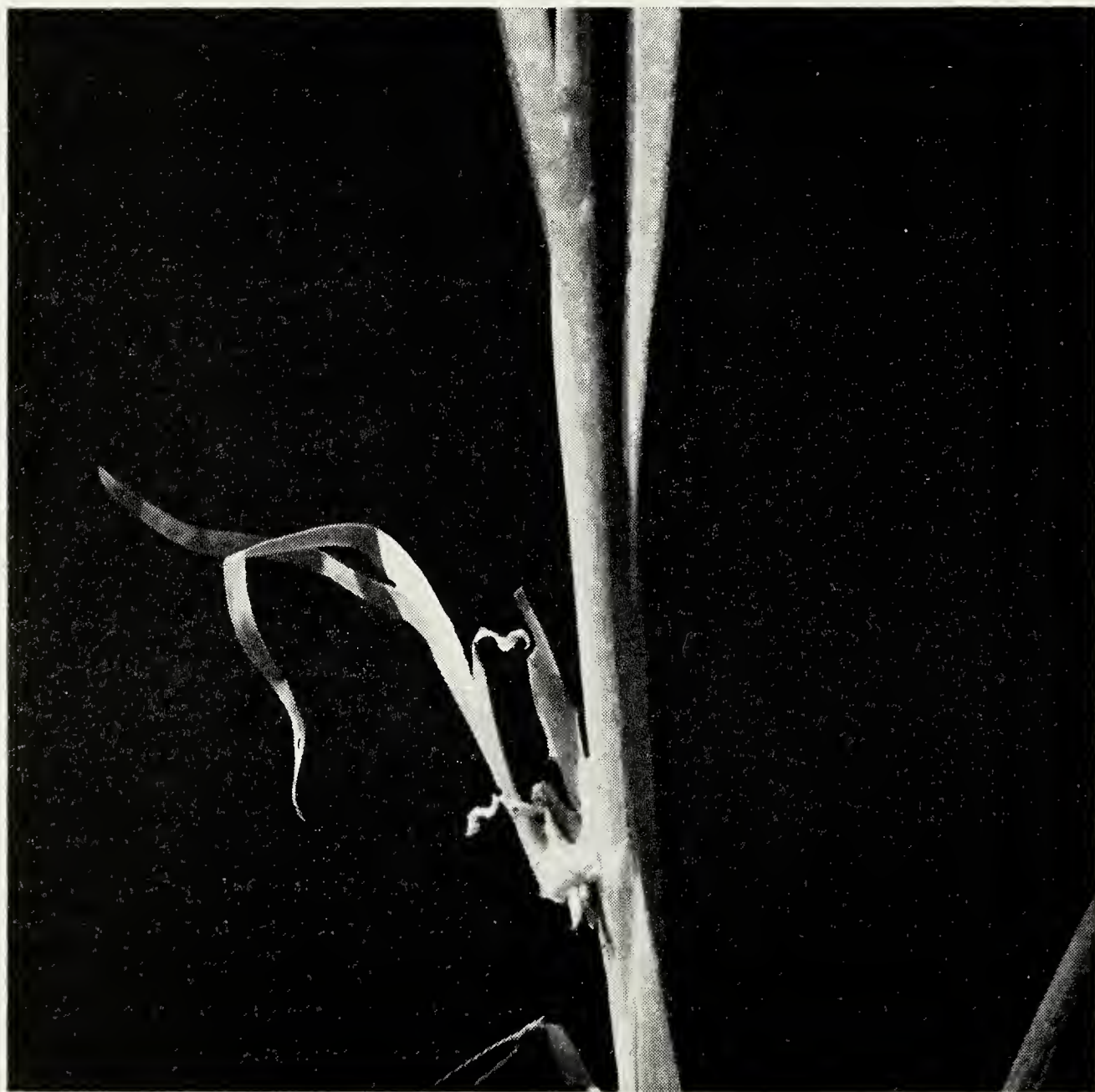


FIGURE III.

(Nies—photo)

In a few weeks the young corm puts out a leaf as is shown in Fig. 2. A few weeks later other leaves have formed and roots are beginning to appear as in Fig. 3.

At this stage of development the young corm, now a plantlet, may be removed and planted. This is done by cutting the flower stalk about six inches below the corm and again a few inches above the corm. The lower end of the cut stalk is then pushed into the soil far enough to place the corm in tight contact with the soil. The flower stalk thus serves as an anchor for the young plant.

If kept moist, the young corm sends out new roots and very slowly becomes established. The first few months are very patience-trying because of the slow growth, but in about two years one may expect to have some strong, thrifty plants.

Looking again at Fig. 3, one may observe the beginning of a new corm at some distance above the old corm. In such a case, it would be well to let both corms develop further before making the cuttings.

Anticipating any question regarding what sort of plants will come from this type of propagation, let it be understood that the new plants will be replicas of the mother stalk. In short, these described herein will be Two Opals.

The Seed Dormancy Problem

GEORGE R. BEACH, JR., (Ill.)

To me one of the most intriguing problems of iris culture has been that of seed dormancy. If it were possible to ripen and germinate iris seed in the same growing season as the flowers are hybridized, there is a good chance that we could see the results of our efforts a year rather than two years later.

True, this can be accomplished by the excised embryo technique but I have found in my own tentative experiments with this method that it requires a higher degree of manipulative skill and a more intensive knowledge of laboratory techniques, than possessed by the average person. The goal, it seems to me, must be a procedure that can be carried out without undue training or elaborate equipment.

To accomplish this objective, it appears that there are not one but five separate problems:

- I—Acceleration of seed ripening.
- II—Break dormancy with resultant germination.
- III—Promotion of rapid growth after sprouting.
- IV—Determination of method and duration of rest period prior to blooming.
- V—Blooming the seedlings their first spring.

Some of these problems are more complex than others but they are completely interdependent and obviously must be solved in order.

The first hesitant steps on this project, which will probably keep me occupied for years, were taken last summer. Let it be said immediately that not a seed germinated. To those familiar with chemical or botanical research, this is not an unexpected result but negative results are often as valuable if not as satisfying as success. In any event some useful knowledge was turned up and there is now a more focalized starting point for this season's experiments.

In northern Illinois we can usually look forward to a cold, wet spring which normally brings the first iris into bloom between May 20 and 23 with the major flowering about Memorial Day. From then until a week or so after July 4, it is warm to downright hot with ample rain followed by hot, dry weather till after Labor Day. First frosts usually come in the last ten days of September but on the whole the falls are mild right into December with alternate freezing and thawing from the second week in November up to almost Christmas.

Weather conditions have been detailed because they pretty much control the schedule we must conform to. This was set up as follows and little occurred during the experiment which would require any material alteration. Naturally the dates are approximate to, we hope, within plus or minus a week.

- 1—June 1-30—seed growth
- 2—July 1-7—accelerated ripening
- 3—July 8-21—dormancy breaking treatment
- 4—July 22-August 13—germination
- 5—August 14 onward—seedling growth

In the month to six weeks to frost, following the hoped for germination, the seedlings obviously can't grow sufficiently to give any promise of bloom the following spring or even surviving in exposed garden or field plantings. Bearing this in mind, if through subsequent research seed is germinated, it is planned to wick feed with the most likely looking plant nutrients to force a maximum growth during the late summer. Since the time before frost is limited, it will probably be desirable to bring the seedlings into a greenhouse for a continued forcing until maybe the turn of the year. At that point it will be necessary to

work out the best method for resting the seedlings prior to blooming. For that matter, we may learn at that time that such treatment is not necessary.

With the foregoing as background, let us turn to the actual experimentation and examine the results on the two phases of the project on which it was possible to work.

I—RIPENING THE SEED—Crosses between The Sentinel on At Dawning and self-pollination on Golden Eagle, Majenica, The Admiral, and a few others began to yellow early in the last week in June. All subsequent work was done on this seed which was ripened by the following methods:

- (a)—Pods (yellowing, plump but not full sized) removed June 25 dried out of doors.
- (b)—Pods (same as above) green seed removed and placed on blotters in a hot, dry, dark closet. Seed, when removed, was a pale yellow in color and noticeably underdeveloped.
- (c)—Pods allowed to ripen on plant. Removed just before dehiscing. Seed fully developed and light brown in color. These were readily dried as described under (b) in less than a week.
- (d)—Pods allowed to completely ripen, dry out, and start to dehisce before removal. No artificial drying.

These latter two methods obviously are too slow to fit in with the schedule mentioned earlier. They were carried out as a possible check on the germination and viability of seed handled as drastically as under (a) and (b).

One of the fascinating aspects of research is the supplemental developments that turn up. An example in this instance was the very speedy and satisfactory way in which seed dries if the ripened pods are caught before dehiscing. In this way all the seed is saved and the inroads of the insect horde on both pod and seed is avoided. This is probably an old trick but it was new to me.

Control samples of (a), (b), and (c), were retained and planted in the early fall under normal conditions to check on the practicality of these methods of ripening.

II—BREAKING DORMANCY WITH RESULTANT GERMINATION

Seeds prepared by method (c) were subsequently given the following treatments in an effort to break dormancy and cause germination:

- 1—Kept frozen in the ice tray of an ordinary refrigerator for ten days.
- 2—Soaked in a solution of household-strength hydrogen peroxide for four days.
- 3—Same for 1½ hours.
- 4—Soaked in a solution (1 teaspoon to 1 quart water) of sodium thiocyanate for twelve hours.
- 5—Soaked in ethylene chlorohydrin for three hours.
- 6—Exposed to concentrated ethylene chlorohydrin vapors for four days.
- 7—Soaked in trichlorethylene for three hours.
- 8—Exposed to trichlorethylene vapors for forty-eight hours.
- 9—Soaked for three hours in solution (1 teaspoon to 1 quart water) thiourea.
- 10—One-half hour ethylene chlorohydrin dip followed by fifteen minute dip in 3% hydrogen peroxide.

In each case 30 seeds were used which had been matured on the plant but artificially dried as under (c) above. In addition, the following experiments were run to check on accelerated ripening methods:

- 11—Seed unripened and undried (picked 6/25/49) frozen for 35 days.
- 12—Seed unripened but dried (picked 6/25/49) in sun frozen for 20 days.
- 13—Control planting of seed normally ripened and harvested.

After treatment each of these experimental lots were planted in fresh Terralite (vermiculite) using new flats. The flats were all equipped with wicks and were completely soaked down before planting to insure thorough wicking action. The planted flats were placed on a specially constructed rack located in light shade. By means of galvanized iron troughs the wicks were kept constantly wet and presumably working satisfactorily.

As stated at the beginning of this report, there was no apparent germination. Restudying the whole situation, let's assume that one or more of these methods (combination of ripening and treatment) might have been effective if other more readily controlled factors had been optimum.

What were these factors?

- 1—Handling after treatment—it occurred to me when it was too late that I may have made a bad mistake in immediately exposing the planted flats to the hot summer sun even though there was some shade. Possibly a nice cool root cellar might have been the answer.

2—Due to our hot, dry Illinois summer, try as I would, I couldn't keep the surface of the flats moist even though equipped with wicks. As a result there must have been an intermittent soaking and drying of the seed.

3—It is quite possible that the concentration of or exposure to the chemicals may have been too great or too little.

As it seemed important to determine whether the treatments to which the seed had been subjected had affected its power to germinate, all the experimental flats were moved intact to an open hot bed where they were mulched with leaves and left to the mercies of a northern Illinois winter. Unhappily as those who live in this part of the world will recall we had a lot of alternate freezing and thawing with a late cold and rainy spring. Alas, when I uncovered the flats, I found them badly beaten up by the elements. The leaf mulch had failed to hold the seed and vermiculite and much of it had been heaved or washed away so that no conclusions could be drawn.

On the basis of the work done last season, I am very skeptical of the possibility of breaking dormancy by any of the accepted chemical treatments used on other plant forms. There do remain, however, a few leads in this field that I propose to run down.

Thanks to the ever-helpful Dr. L. F. Randolph of our Society and Cornell University, I was put in touch with a comprehensive and most interesting thesis prepared by Leland G. Cox, of Cornell and published under the title of "A Physiological Study of Embryo Dormancy in the Seed of Native Hardwoods and Iris." This has provided ample food for thought and opened several interesting lines of speculation on which I expect to work this summer.

For those who are interested in this phase of the iris hobby literature is very scarce. Most of the ideas that prompted this activity came from "Hormones and Horticulture" by George S. Avery, Jr., and Elizabeth Bindloss Johnson (McGraw-Hill); some from random conversations with horticulture and botany professors; others from garden clubbers and a few are personal brain children. Comments, criticism, and suggestions will be most welcome.

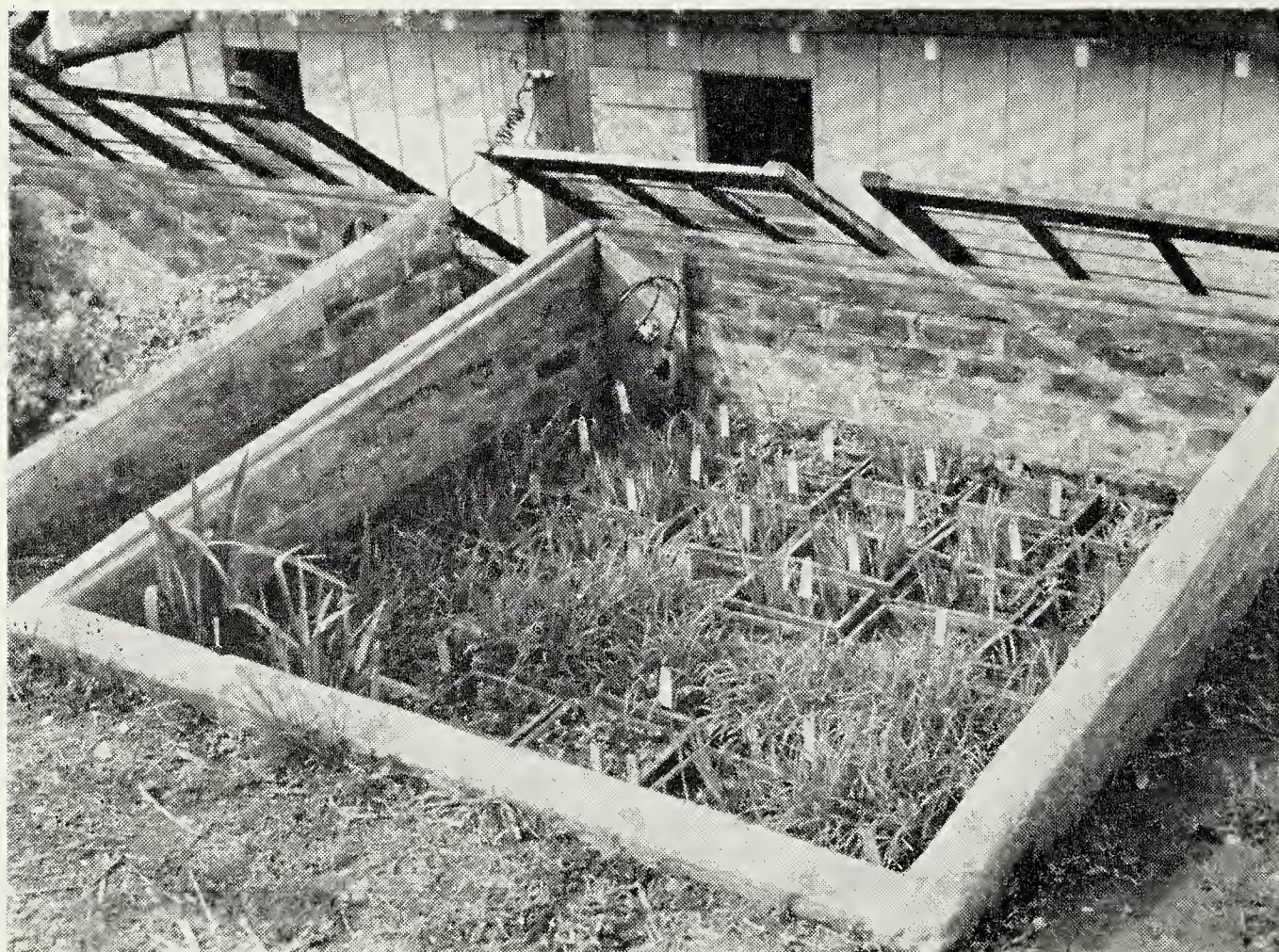
(EDITOR'S NOTE: Over a period of years I have noticed that certain crosses are prone to produce limited fall germination. This has been observed both in Staten Island, N.Y., and in Nashville. It can be assumed from this observation that certain iris varieties may be more susceptible to treatment for accelerated germination than others. The BULLETIN suggests that if our readers have any information on which tall bearded varieties normally may be expected to produce fall germination, that this information be sent to Mr. Geo. R. Beach, Jr., 1000 Waukegan Rd., Lake Forest, Ill.

First Year Bloom

GEDDES DOUGLAS, (Tenn.)

Tall bearded iris seedlings will not all bloom the first year after transplanting but the percentage may be increased toward the optimum if certain conditions prevail. I have always been statistically minded, and for several years I have kept records on the percentage of bloom in my seedlings. I was astounded to learn that in some years I got as low as only twenty percent bloom. In other years it was much higher and I determined to find out why.

To test the thing out I planted a block of some two thousand seedlings and counted the off-shoots per plant in the several crosses. This

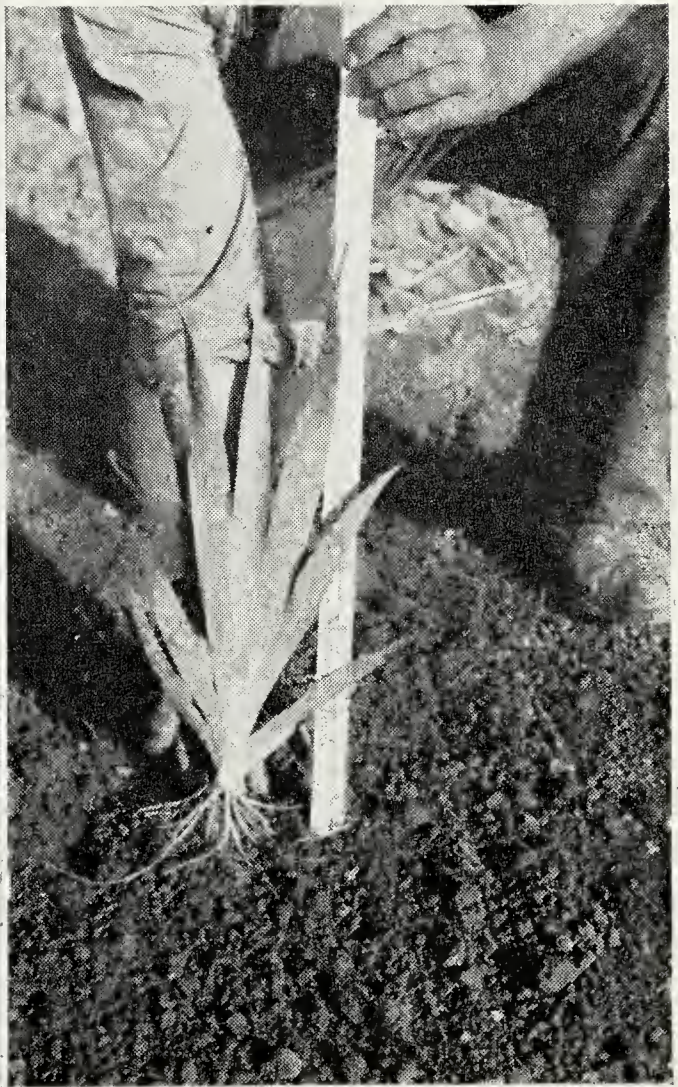
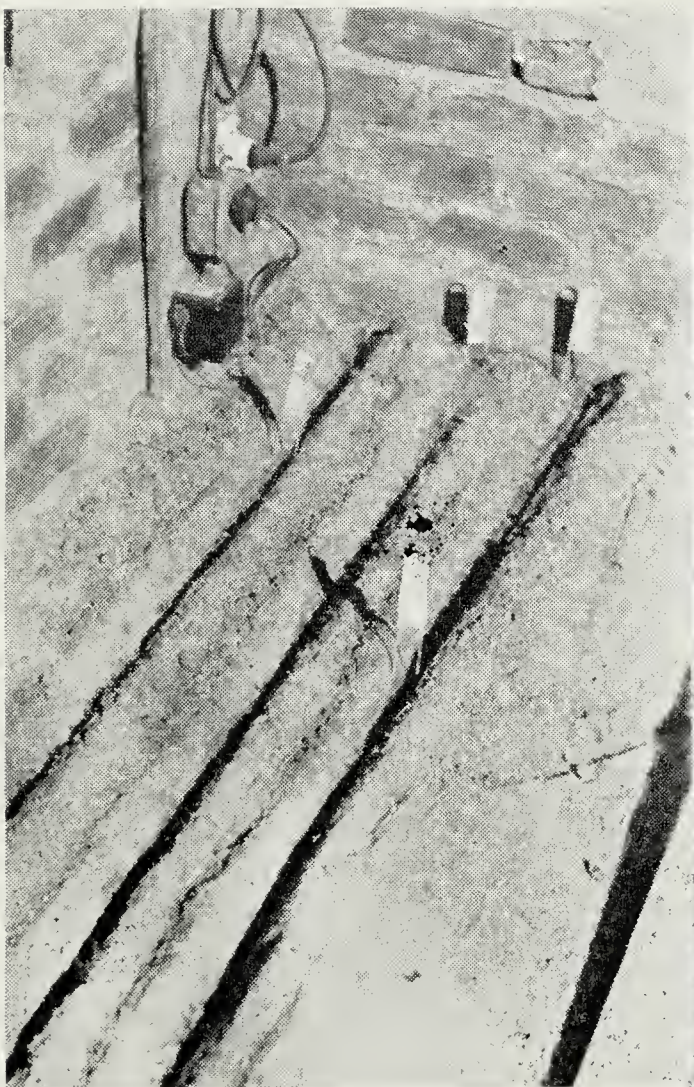


(above) ELECTRIC HOT-BED INSTALLATION

(Douglas—photo)

PAGE 45 (upper left) A MIXTURE OF SAND, TERRA-LITE AND GARDEN LOAM IS THOROUGHLY MIXED BEFORE COVERING HEATING CABLE (upper right) TO A DEPTH OF 6 INCHES. SEED MAY BE PLANTED DIRECTLY IN THE HOT-BED.

(lower left) AT A DEPTH OF $\frac{3}{4}$ INCH. THE SEEDLING SHOWN IN THE LOWER RIGHT HAND CORNER WAS PLANTED OCTOBER 1, 1949, BOTTOM HEAT WAS APPLIED JANUARY 25, 1950, AND IT GREW TO A HEIGHT OF 22 INCHES BY MAY 15.



was done in July and again in September. The following year I calculated the percent bloom and tried to tie up the two sets of figures. It was not hard to do. I discovered that, assuming the bud fan went through the winter undamaged:

- a) Plants that had as many as four well developed side shoots by September 15th, were apt to bloom 100%.
- b) Plants with two to four side shoots would give from 50% to 75% bloom.
- c) Plants with less than two side shoots seldom gave more than 20% to 25% bloom.

Thus the problem resolved itself immediately into simply forcing the young seedlings to make more growth before their first winter and seemed to involve three factors:

- 1) I had subscribed to the fetish that fertilization caused rot and consequently was starving my seedlings. This was corrected by plowing in manure and humus the fall before the seedlings were set out.
- 2) Due to seasonal droughts the seedlings were making no summer growth. I have only partially corrected this. My water supply is still inadequate, but I am installing an irrigation system as fast as my finances will permit.
- 3) In Tennessee we have two dormant seasons, both in winter and in mid-summer. My seedlings were getting a late start and were being stunted by the hot weather which arrives in early June. To correct this, I tried planting the seeds in an electric hot-bed. The results have justified its cost.

A thermostatically controlled General Electric unit was used in a 6 x 6 foot bed. This was covered with two standard cold frame sashes. The heating unit is a long lead covered wire which was buried to a depth of six inches in a mixture of compost, garden loam, and sand. The seeds were planted about October 1st, and covered to a depth of $\frac{3}{4}$ inch. The bed was left exposed to the elements until late January.

The glass sashes were then put in place and the heat turned on with the thermostat set at 80 degrees. Germination began in about two weeks and by April 1st, the seedlings were six to ten inches in height. In fact they grew so fast that the heat had to be turned off and the bed aired out at regular intervals.

By transplanting these seedlings in early April, they were assured of sixty days of good growing weather before hot weather set in. This has contributed greatly toward increasing the percentage of first year bloom and consequently means that the number of seedlings that have to be carried over the second year is correspondingly less. However, it was noted that the percentage of germination was *NOT* increased by the early application of bottom heat.

DWARF BEARDED IRISES

WALTER WELCH, (Ind.)

The Revised Classification of Dwarf Bearded Irises as approved and adopted by the Board of Directors of the American Iris Society, meeting at Chicago on December 7, 1947, reads as follows:

DWARF BEARDED SECTION. Species, forms, and hybrids of *Iris chamaeiris* Bert., *I. olbiensis* Henon, *I. balkana* Janka, *I. reichenbachii* Hueffl, *I. mellita* Janka, *I. pumila* Linn., and other early blooming Dwarf irises. Advanced generation hybrids of Dwarf Bearded and other Bearded irises have most of the characteristics of typical Dwarf Bearded irises (short, unbranched stems bearing one to three blooms in a terminal cluster; short and relatively broad leaves; early blooming period). Gametic chromosome numbers of 8, 10, and 12 have been recorded for members of this section.

As no arbitrary classification is possible to fit every known form and variation in iris, a certain amount of flexibility in interpretation is suggested. The phrase "and other early blooming Dwarf Irises," as well as "Advanced generation hybrids—having most of the characteristics," etc., leaves us some degree of deviation from the strict interpretation of a Dwarf. In the past this deviation has been so broad that it included too many of the typical forms, which this Revised Classification is supposed to correct. Therefore restraint should be practiced in deviating too much.

A notable example of a different classification is *I. arenaria* Walst. & Kit. and *I. Bloudowii* Bunge, which under a Horticultural Classification belong in the Dwarf Bearded Section but in the Revised Classification are included with the Regelia Section. For a strictly botanical and genetical classification this is correct but hybridizers have given us several hybrids between these forms and other Dwarfs that resemble the Dwarf Bearded iris more than the Regelias and have most of the characteristics of the Dwarf Bearded Section. Therefore we have considered these hybrids as Dwarf Bearded and have retained the species forms within the Regelia Section.

As *arenaria* has the dwarf growth habit and other characteristics in common with the typical Dwarf Bearded iris, and it is probable that their close association will increase as breeders continue to mix their genes, we will give a brief description of it and the other form *Bloudowii*.

Iris Arenaria

The name *arenaria* appears to be used synonymously with *flavissima* by the older botanists, some using one name and some the other for the same plant. Our modern taxonomists have adopted the name *I. arenaria*

for the small form and are inclined to use the term *I. flavissima* for the taller form of this species. There is little doubt that *I. flavissima* Pallas 1773 is the representative species and *arenaria* and *Bloudowii* are sub-species or forms of this species.

I. arenaria was described by Waldstein and Kitaibel and was found in the province of Charkow in Hungary, in 1802. Apparently *I. arenaria* differs from *I. flavissima* only in size, its chief characteristics being its stoloniferous rhizome, spreading by means of slender creeping stolons, its seed pods tapering towards both ends and opening on the sides instead of the top. The seeds have the white aril characteristic of the *Regelia* and *Oncocyclus* seed, and the spathes contain three flowers, developed from terminal buds, but without branching, its height is approximately three inches. It is later blooming than *I. pumila*, coming along with the *chamaeiris* varieties in mid-season. The spathe valves are narrow and neat and sometimes scarious near the top. The buds before opening have reddish brown lines, appearing a rich golden brown but upon opening the flowers are pure yellow, very intense and bright, and accentuated by a deep orange beard. The flower has standards open but well arched, showing the interior of the flower; the falls are wide, of heavy substance, and absolutely horizontal. Its blooming habit is unique, the flowers are fugacious, lasting normally only one day; but they appear like waves or explosions of bloom, many coming out at once, then a few days later another explosion. Several of these waves of bloom coming in succession give a long season of bloom.

Cytological investigation has shown that *I. arenaria* is a diploid having 22 somatic chromosomes, the gametic number being 11, which is the base number for the *Regelias*. It will cross readily with certain types of Dwarf Bearded iris but its hybrids with *I. chamaeiris* are sterile; at present there are no hybrids between it and *I. pumila* or *I. mellita*.

I. bloudowii, collected by Bunge in 1883 in the Turkestan and named by him after Von Bloudow, at one time President of the St. Petersburg Academy of Science, is similar in every way to *arenaria* except in size, being somewhat larger in all of its parts.

I. Mandschuria, another form that has never been in cultivation or at least rarely, is credited to Maximowicz in 1880 and comes from Manchuria. It is described by Dykes as being intermediate between *arenaria* and *Bloudowii*.

Iris Pumila

I. pumila was first collected and described by Linnaeus in 1753. it is native to Austria and portions of Hungary and extends its territory along the Danube, some forms being found in Roumania and along

the shores of the Black Sea. Robert Schreiner has had seed collected from this latter region and from plants grown from this seed he introduced three varieties to the trade under the names of Sulina, Carpathia, and Nana. These are the only named horticultural varieties of the true species that have been available to commerce in this country. Very recently a new variety called Cretica has come to us from Greece, which is known to be the home of *I. Attica*, Boiss, 1859, a species with 16 chromosomes according to Simonet. We had hoped that this also might have a similar composition but Dr. Randolph has found it to have 32 chromosomes which is standard for *I. pumila*.

Paul Cook and L. F. Randolph have for a number of years maintained for breeding purposes a limited stock of the Austrian type of *I. pumila*, which was originally collected in Austria for Robert Schreiner. Dr. Randolph has verified the Simonet finding that *I. pumila* has 32 chromosomes. Since the closely related *I. attica* has 16 somatic chromosomes, or a gametic number of 8, it is apparent that *I. pumila* is at least a tetraploid (4×8 equals 32); or it might even be an octoploid if the base number is 4 rather than 8 as suggested by Simonet.

Seldom do we find any variation of the number of chromosomes in a given species and it is interesting to note that of the three Balkan varieties of pumila named by Schreiner, Carpathia had the standard number of 32, while Sulina and Nana each has 30 chromosomes.

It is well known that *I. pumila* can be distinguished from the larger Chamaeiris Dwarfs by its almost complete lack of stem and longer perianth tube. However there are other distinctions, particularly its capsule or seed pod, which is pointed, about $1\frac{1}{2}$ inches long and although it is divided into three compartments, the separation is not complete right down to base of the ovary as it is in the Chamaeiris Dwarfs. In *I. pumila* the dividing membrane completely separates the pod into three compartments only about half way down from the top, leaving the compartments open into each other at the bottom of the pod. The seed of *I. pumila* are smaller than those of the Chamaeiris type, more rounded and spherical, somewhat wrinkled, light brown in color, and without the strophioles that are found in some species.

The spathe valves of *I. pumila* are rather inconspicuous, the inner valve is more membranous and closely wraps the tube, while the outer valve is more rigid and sometimes slightly keeled. The rhizome is slender, with a crowded growth habit. This crowded growth results from several small rhizomes, expressed as side shoots growing from the mother rhizome; I have counted as many as eight and each with a bloom stalk but each stalk has only one terminal bud. Height of 4 to 6 inches is attained by blooms due chiefly to elongation of perianth tube.

I. pumila adds one more color to the usual purples, yellows, and

near whites of the other Dwarfs; this color is blue, and *I. pumila* is the only species that has this color in a fairly unadulterated form. The beard varies in color from pure white, cream, yellow, blue, and purple to almost black. The lovely light blue color of Azurea and Coerulea undoubtedly came from this species as they are the only examples of true blue coloring that we have in the named varieties.

Iris Chamaeiris

I. chamaeiris, Bertolini, 1837, is a native of the coastal region of southern France and northern Italy, and is the most important species if one takes into consideration that most of our Dwarf varieties spring from this source. In a collection of nearly 200 garden varieties of Dwarfs growing in the Dwarf Iris Test Garden at Middlebury, Ind., approximately 10% are first generation hybrids of *I. chamaeiris* and the remaining 90% are Chamaeiris derivatives, that is selected segregates of the species, or forms of uncertain origin. Of the Chamaeiris hybrids, *I. pumila* was the other parent of Atroviolacea, Biflora, Macrocarpa, Azurea, Coerulea, Alinda, Cyanea, and Violet Gem. Arenaria contributed its genes to Tiny Treasure, Cream Tart, Bronya, Mist O'Pink, Keepsake, and Tampa. These two groups of varieties include almost all of the species hybrids in Dwarfs.

I. chamaeiris has 40 chromosomes and by some iris breeders is considered to be a tetraploid though insufficient study has been given to the question of its origin. Its hybrids are notoriously infertile in combination with most other types of iris, regardless of whether they are diploids or tetraploids. Yet when crossed with other Chamaeiris forms pairing of the chromosomes is regular and fertility good. Partial fertility characterizes the hybrids of Chamaeiris Dwarfs and both diploid and tetraploid Tall Bearded varieties. Relatively few advanced generation progenies have been grown from such hybrids which are the true Intermediate Bearded varieties of commerce.

In the Revised Classification of Dwarf Bearded Iris, which is quoted at the beginning of this article, various forms of *I. chamaeiris* have been treated as distinct species; this has been customary in the past and precedent has been followed here. However, the relationship between *I. chamaeiris* and several other "species" is often a matter of discussion and disagreement. There is little doubt that the name *I. chamaeiris* represents the entire complex. There are two main groups under this category, one is represented by the binominal *I. chamaeiris* which is native to France and Italy and the other is the Balkan representative of *I. chamaeiris*, namely *I. Reichenbachii*. Whether this latter will be given specific status in the forthcoming "Revision" is yet undetermined.

The subordinate divisions or forms of *Reichenbachii* offer the more complicated problem of identification. For example Dykes states "*I.*

reichenbachii has many synonyms, for the purple form has been christened *balkana*, *Athoa*, *macedonia*, and *Straussi*; while *serbica*, *bosniaca*, and *Skorpoli* are merely names of the yellow form." In the *Gardeners Chronicle* on June 17, 1911, Dykes states "Iris *olbiensis* is only a form of *chamaeiris*."

In fact the only appreciable difference between *I. chamaeiris* and *I. Reichenbachii* and the means of identification is that *I. chamaeiris* occasionally has only one of its spathe valves keeled, while *Reichenbachii* has both valves sharply keeled and the substance of the petals is more thin and inferior. Both have the same chromosome number and it is therefore possible that they are very closely related. However very distinct species often have the same chromosome number, as for example *I. variegata* and *I. pallida*.

The use of chromosome numbers in distinguishing between the various species and identifying hybrids and varieties may be of great value, when absolute certainty is assured of the correct identification of the plant involved. But it has come to my attention that in certain cases varieties have been used for study that were not properly identified, with resultant discrepancies. Tony was reported to have 24 chromosomes as a result of using a plant that was misnamed and it is evident that Simonet encountered similar difficulties upon some occasions. Specimens received under the same name from different localities had different chromosome numbers. *I. reichenbachii* has been variously counted as 24, 32, and 40 chromosomes; *I. pumila* as 32 and 36; *I. balkana* as 40 and 48. Parentages as reported are often unreliable and cytological investigation will in many cases correct this.

There are two other dwarf irises often treated as distinct species, these are *I. sub-biflora* and *I. pseudo-pumila*; little is known of them and they are currently unavailable. *I. sub-biflora* is described by Dykes as being a form of very deep blue-black color and coming from the seashore regions of Portugal and southern Spain; while *I. pseudo-pumila*, of mixed characteristic form is a native of Sicily. It is reported that *I. statellae* is a hybrid or sport of this latter form for *Statellae* seed gives rise to typical *I. pseudo-pumila* plants. In view of its 44 chromosomes *Statellae* is considered to be an Intermediate.

Iris Mellita

Lastly we come to *I. mellita*, Janka, 1874, the name derived from the Latin *mellitus*, meaning delightful. It is a native of Bulgaria, near Philippolis, Gallipoli, and western Asia Minor. Dykes calls it the Balkan cousin of *I. pumila* *L.* because it has the short stem and longer perianth tube but it differs from *pumila* in many respects. Its spathe valves are ridged, sharply keeled, and herbaceous, remaining green all winter. The texture of the flowers is delicate and silky, appearing thin, but it

is weather resistant. The chief distinction is its curved or sickle shaped leaves. The buds are pointed and tipped with yellow, the main portion heavily lined with veins of dusty purple; the standards are a dull ivory with a network of purple reticulations at the base and the falls are a smoky buff, heavily marked with purple. The general effect is a cream with purple markings on the falls. The standards are too large and out of proportion to the falls, only slightly arched, rather flat and rising directly upward, while the falls tuck under abruptly. Its height is about four inches and it blooms with the mid-season Dwarfs.

I. mellita is known to be a diploid with 24 chromosomes, the base number of 12 being the same as for the Tall Bearded diploids. Its hybrids with *chamaeiris* are mostly infertile, though occasionally a few seeds will result from persistent pollinating. The characteristic of sickle shaped leaves appears to be of the mixed dominant type as only a few of its seedlings inherit this character in the F-1 generation. In combination with *pumila* I have noted no sickle shaped leaves; the spathes are not conspicuous and the slender stalk of *pumila* is dominant.

There is another form or variety of *I. mellita* called *I. rubro-marginata*, which derives its name from the fact that the leaves and particularly the spathes are edged with a distinct line of red. Dykes says that it was originally found by Barbey, a son-in-law of Boissier, growing near Scutari on the Asiatic side of the Bosphorus.

The general characteristics of *rubro-marginata* are practically the same as those of *I. mellita* with but minor differences except for color. It is definitely of a smoky red color all over, suffused near the haft with blue purple and the beard is bright electric blue; whereas *I. mellita* has a large fuzzy white beard. *Rubro-marginata* has given me a second crop of bloom in the fall on several occasions.

Horticultural Varieties

Of the named varieties of Dwarfs little is known of their background except from external appearances, parentage in most instances has not been given and we have to depend upon mere reports of what certain breeders worked with.

The Sass Brothers used Socrates and its seedlings in the production of their varieties and it is known that the Burchfield and Fryer varieties are invariably of *chamaeiris* origin. Paul Cook and H. M. Hill both used *arenaria* but it is apparent that Paul Cook is the only breeder who has made use of *pumila* in this country.

As a means of identifying some of the current varieties, Dr. Randolph has made cytological studies of several of them and along with some previous findings of Longley and Simonet, a list of chromosome numbers of certain varieties of Dwarfs was published in AIS Bulletin #107, Oct., 1947. The unmarked species and varieties were counted by

Randolph; those with an asterisk * were verified by Randolph after the original count by Simonet; the symbol # indicates Simonet and a double asterisk ** credits Longley.

Alba	40	Cream Tart	31	Nana	30
<i>I. arenaria</i>	22	Cretica	32	Negus	40
Atroviolacea	36	Cyanea	36	Nugget	40
<i>I. attica</i>	16#	Endymion	40	<i>I. olbiensis</i>	40#
Aurea Maculata	40	Fior del Mondo	30	Orange Queen	40
Azurea	36#	Graminea	40	<i>I. pumila</i>	32*
<i>I. balkana</i>	40	Jean Siret	40	<i>I. reichenbachii</i>	40
Biflora	36	Keepsake	31	Rupert	40
<i>I. bloudowii</i>	22*	Lutea	40	Socrates	40
Carpathia	32	Macrocarpa	36	Sound Money	40
<i>I. chamaeiris</i>	40*	Marocain	40	<i>I. sub-biflora</i>	40#
Coerulea	36#	<i>I. mellita</i>	24*	Sulina	30
Sure Fire	40	Mist O'Pink	31	Titania	40
Tampa	31	Tiny Tony	40	Trinket	40
		Tiny Treasure	31		

Further investigations along this line are proceeding and much information that is now unavailable concerning the Dwarfs should be known in the near future.

The nomenclature and identity of the Dwarf Bearded iris varieties has always been a source of great confusion. Duplication of names and untrue varieties have offered a barrier to identification and cataloguing of varieties. Most of these no longer in existence will remain unidentified but the establishment of the Dwarf Iris Test Garden has made it possible to collect and compare all of the varieties currently available and some semblance of order is being achieved. It is possible to provide a fairly complete listing of these varieties, with accurate descriptions based on reliable identifications.

DWARF BEARDED IRISES NOW AVAILABLE IN COMMERCE

**Indicates Superior varieties.*

- Adorable (Horton-45) Rose-violet self, 9 inches.
- Alba-syn. Chamaeiris Alba (van Houtte-1876) White with yellow on falls, 9 in.
- Albatre (Millet & Fils-1920) Creamy white self, 10 inches.
- *Alinda (Cook-46) (Socrates x pumila) Red-violet self, dark beard, early, 7 in.
- Alpin (Mil-16) S. lavender F. red lavender, beard white, 7 in.
- Amber Queen (Ouden-) Deep yellow self, amber flush on falls, yel bd, 10 in.
- Aramis (Mil-20) Light yellow self, slim, orange beard, 6 in.
- I. arenaria* (Waldst-1802) Species, Hungary. Yellow self, orange beard, grassy lvs., 4 in.
- *Atroviolacea (Todaro-1856) Red-violet, deeper falls, wh bd, 4½ in., first to bloom.
- *Azurea (Coll Cli-1881) Light blue bitone, creamy-white beard, 5 in., early.
- Aurea Maculata (Barr-12) Yellow with purple shadings, 11 in, poor quality.
- *Balkana (Coll. Leicht-1878) Deep blue-violet, horiz falls, wh bd, 6 in, fine shape.
- Balkana (Coll. Leicht-1878) Reddish blend, this is the true variety, 8 in.
- Barbara Perry (Perry-03) Light blue self.

- *Beauty Spot (Marx-47) Pogo-regelia, dark plum red-violet, self, 8 in, fine.
- Betsy Presby (Freyer-19) Light yellow, F. darker, marked, or bd, 8 in.
- Biflora (Dickson-1794) Pumila hybrid, red-violet, wh bd, 4½ in, x color.
- Black Maroon (Sass unintroducted) Deep Maroon, 9 in.
- Black Bird (Wayman-34) S. red purple F. dark red-violet, yellow beard, 9 in.
- *Black Midget (McK-23) S. dark red purple F. black, orange beard, 8 in.
- *Blarney (Welch 50) (Fiancee x Fairy) x (Azurea x pumila); white and green bicolor, 7 in.
- Blue Beard (Perry-03) (Balkana x Cengialti) White and olive bicolor, 9 in.
- *Blue Band (Cook-50) (yellow chamaeiris x blue pumila) Soft blue-violet self, 6 in.
- Blue Echo (Horton-47) Dark blue purple, blue beard, 9 in.
- Blue Flash (Marx-48) (Reflection x chamaeiris) Light blue, 5 in. falls lined.
- Blue Jade (van Fleet-26) Medium blue-violet self.
- Blue Dart (Horton-45) Dark blue-violet, 9 in.
- Blue Mascot (Marx-47) (Reflection x cham. Cor.) Blue self, semi-flare falls, 5 in.
- Blue Prince (Horton-45) Blue-violet, 10 in.
- Bouquet (Cap-02) S. lav. white, F. marked purple, wh bd, flare, 8 in. x shape.
- Brautjungfer-syn. Bridesmaid (Junge-06) (Nova Alba x ?) White, greenish, F. 9 in.
- Bride (Cap-01) (Statellae x Candida) White, F veined, cream beard, 8 in.
- *Bronya (Hill-43) (Tony x arenaria) Bronzy red self, dark, or bd, 7 in, fine color.
- *Burchfield 414 (Unintroducted) Deep yellow self, good shape, 8 in.
- Burgos (Mil-14) Violet, large bloom, 7 in.
- Butterfly (Kelway-1890) Light yellow bitone, blotches, 12 in., poor quality.
- *Buzzer (Bur-27) Lavender blue bitone, border, wide petals, 7 in.
- Candida (Bon-20) Green-ivory white, 9 in.
- *Carpathia (Schreiner-) Pumila sub-species, canary yellow, darker falls, flare, 4 in.
- Chamaeiris Campbelli (Camp-30) (Fieberi x ?) Light red-violet, F. darker, yel bd, 7 in.
- Chamaeiris Correvon (Cor-) sub-species, light yellow, 5 in.
- Citrea (G & K-1899) Light yellow self.
- *Coerulea-(Prince-1829) Light blue, darker falls, yel-wh bd, early, 5 in., pumila hyb.
- Come Again (Marx-48) (Sass purple x ?) Dark red-violet, self, blue beard, 6 in.
- Commandant Driant (Mil-19) Cream and mauve, 6 in.
- Compacta (G & K-06) Purple bitone, yellow beard, 6 in.
- Comtesse D'Hauteville (Mil-14) Violet-red bitone, 7 in.
- Corky (Horton-47) Yellow, 8 in.
- *Cream Tart (Hill-43) (Sdl x arenaria) Cream-olive, red spot, flare, 5 in.
- *Cretica () 3 Pumila sub-species, pink mauve, tiny, 4 in. 32 chromosomes.
- Curiosity (Perry-03) (Balkana x cengialti) Olive, overlaid yellow, 8 in.
- Cyanea (G & K-1899) Purple, white beard, pumila hybrid, 6 in.
- Dark Beauty (Horton-45) Dark red-violet, 8 in.
- Darkey (Horton-45) Dark red-violet.
- Delpha Deane () Yellow bitone, 9 in.
- Di Fie (Junge-06) Lavender blue lined violet, large, coarse, 9 in.
- Ditton Purple (Barr-10) Deep violet, blue beard, 11 in.
- Dixmude (Mil-16) Lavender blue, F. darker, lined, white beard, 8 in.
- Dr. Crenshaw (Fryer-36) Dark blue-violet bitone, 8 in.
- Dr. Mann (Fryer-24) Smoky lavender and claret, 7 in.
- Dr. Potter (Fryer-24) Violet bitone, 8 in.
- Dusky Girl (Horton-45) smoky purple.

- Dusky Lad (Horton-45) Deep smoky purple.
- *Elegance (Barr-19) Ivory white, violet spots, waxy sub, flare, 9 in, x shape.
- Elf (Horton-45) Red-violet.
- *Endymion (Bur-25) Dark red self, wide petals, fine shape, 6 in.
- Erne-syn. Sea Gull (van Fleet-26) Pale sulphur, F. flecked violet, 7 in.
- Excelsa (G & K-1899) Light primrose yellow self, 8 in.
- *Fairy (Van Tub-12) Blue white, F. purple lines, fragrant, not Die Fie, 6 in.
- *Fallen Leaf (Wmsn-Gers-31) (korolkowi x DB) Rose maroon, slim stem, 9 in.
- Fauntleroy (Way-37) Yellow & violet bicolor, yellow beard, 8 in.
- *Fiancee-syn. La France (Vilm-20) White self, beard white, 8 in, best white.
- Fior del Mondo (Hill-43) S. dull yellow, F. rust ochre markings, er bd, 11 in.
- Florida (G & K-1899) Light yellow, 9 in.
- *Fragrance (Fellows-38) Blue-violet bitone, slim stem, iv-wh bd, 7 in.
- Frisco (Horton-47) Medium blue-violet.
- Glee (McK-23) (Socrates x Statellae) Light yellow, 10 in.
- Gold Coin (Horton-45) Yellow.
- Gold Drop (Horton-47) Yellow.
- Gold Key (Horton-47) Yellow.
- Gold Sprite (Horton-45) Yellow.
- Golden (Ashley-29) Dark yellow, 8 in.
- Golden Dream-syn. Yellow Dream (Star-38) (Harbor Lights x ?) Dk yellow, 8 in.
- Golden Frills (Horton-45) Yellow.
- Golden Grace (Horton-45) Yellow.
- *Gracilis (Berg-35) (Sdl of aphylla) Light cream tan, pinkish, branched, 9 in.
- *Graminea () Clean red purple self, lt-yellow bd, x color, good shape, 6½ in.
- Green Goddess (Weed-39) Greenish white with yellow and purple markings, 8 in.
- *Harbor Lights (Bur-27) Clear yellow self, yel bd, flared, dome ruffled, 6 in.
- Harmonia (Cap-02) Yellow marked with purple.
- *Heatherbloom (Marx-48) Warm red blend, x color, x shape, flare, yel bd, 6 in.
- Honey Boy (Keller-31) Cream and olive bitone, 10 in.
- *Huron Imp (Bur-25) Blue-violet, good shape, yel-wh bd, dome, flaring, 6 in.
- Icy Glow (Emig-33) ivory and tan bitone, wh bd, large flower, 7 in.
- J. A. Slote (Jay-34) Light yellow, green yellow falls, lined, poor quality.
- Jean Siret (Andre-26) Yellow and green yellow bitone, blotch, yellow beard, 10 in.
- John Bommersbach (Bomm-30) (Cyanea x Marocain) Violet, brush black, wh bd, 6½ in.
- Josephine (Cap-02) White with yellow, 9 in.
- Judy (Bur-27) Wine red bitone, wh bd, 10 in.
- *Keepsake (Cook-36) (Socrates x arenaria) Gold yellow, orange beard, flare, 8 in.
- La Perle-syn. Perle (Cap-01) Light ivory self, 10 in.
- La Tulipe (Mil-30) Light yellow, F. smoky, transparent, blotch, 8 in.
- Leopold (Cap-02) Violet-blue self, 8 in.
- Lido (Mil-07) Dark lavender and red-violet bitone, or bd, dome curved falls, 9 in.
- *Lieut. de Chavagnac (Andre-26) Red-violet and black-violet bitone, fall bloomer, 9 in.
- *Little Elsa (Muhl-48) (Brautjungfer x Bride) Lemon-yellow bitone, 9 in.
- Little Bluet (Horton-47) Dark blue-violet.
- *Little Jewel (Sass-39) Rose-mulberry blend, brown on falls, x color, 6 in.
- Little Skipper (Marx-48) (Azurea x Puck) Blue-gray bitone, retic, 5 in.
- Lobelia (Mil-07) Red-violet bitone, white beard, 9 in.
- Lutea (Krel-1875) Light yellow, yellow beard, 8 in.
- Macrocarpa (Leicht-1888) Pumila hybrid, violet-red self, blue beard, 5 in.

- Mandarin (Mil-07) Light yellow, marked plum.
- *Marocain (Mil-14) Dark violet, blackish falls, white beard, 8 in.
- Mauve Mist (Hill-43) Smoky lavender-blue, border, yel bd, 9 in.
- Max (Mil-23) Yellow bitone, retic on haft, 9 in.
- I. mellita* (Janka-1874) Species, Bulgaria, S. ivory, F. tan, violet, border, wh bd, 4½ in.
- Mignonette (Mil-30) Lavender bitone, white beard, 8 in.
- Milton (Cap-02) Light yellow, falls marked violet.
- Mireille (Mil-11) Smoky wine, velvet falls, 9 in.
- *Mist O'Pink (Hill-43) (Rose Mist x arenaria) Rose-violet bitone, yel bd, 9 in.
- Mistral (Mil-16) Light blue bitone, 6 in.
- *Moon Gleam (Marx-47) (Sound Money x cham Cor) Cream sulphur yel self, 7 in.
- *Nana (Schreiner-) Pumila sub-species, red-violet, red spot on F, blue bd, 4 in.
- Negus (Mil-14) Dark blue-violet, velvet falls, yellow beard, 10 in.
- *Neola (Sass-32) Light lavender blend, lt-yel beard, 7 in.
- *Niobe (Cap-02) Dark blue-violet self, white beard, 7 in.
- *Orange Queen (Barr-10) Deep yellow, orange beard, 6½ in.
- *Owaissa (Sass-34) Lavender and blue-violet bitone, light yellow beard, 7 in.
- Papoose (Way-37) Smoky buff purple, bitone, border, 8 in.
- *Path of Gold (Hodg-43) Clear yellow self, yel bd, (Bride x Jean Siret), 9 in.
- Petite (Horton-49) Warm mauve, 8 in.
- Petite Amie (Mil-19) Yellow self, small bloom, neat stem, flare, 8 in.
- Persian Glow (Horton-45) Pansy Purple.
- *Pink Mauve (Sass-not Reg) Pink mauve, yel bd, flare, wide, silk sheen, 6 in.
- *Prairie Gem (Shreve-) Dark yellow self, clean, 8 in, yellow beard.
- *Primus (Welch-50) (chamaeiris x Dark Ruby) x (Azurea x pumila) ; yellow and red bicolor, 6 in.
- Princess Louise (Per-03) China blue bitone, 6 in.
- Puck (Cap-02) Red-violet bitone, bd, white retic, on haft, large bloom, 11 in.
- Purple Beauty (Horton-39) Purple, white beard, 8 in.
- Rayon (Horton-47) Light yellow.
- *Reflection (Bur-25) Lavender blue, falls deeper, white beard, 8 in.
- I. Reichenbachii* (Heuffel-1858) Light yellow, 8 in.
- Reichenbachii Orange () Deep yellow self, orange beard, 8 in.
- *Rose Mist (Sass-31) Light red-violet bitone, yel-wh bd, 8 in.
- Royal Purple (Bon-20) Medium blue-violet, cream-white beard, 9 in.
- I. rubro-marginata* (Bakekr-1875) Species, smoky red, blue-violet beard, lvs edge red, 4½ in.
- Sambo (Per-03) Dark blue-violet, bitone.
- Sapphire (Cap-02) Blue-violet bitone, white beard, 9 in.
- *Sass Dark Ruby (Sass-not Reg) Deep red-violet, 7 in, in commerce 1935.
- *Schnekuppe-syn. Snow Cap White, F. greenish white, white beard, clean, 7 in.
- Serpolette (Mil-31) S. white, F. gray lavender, lt-yel bd, 8 in.
- *Silver Elf (Bur-28) Silver gray, F. purple lines, metallic-effect, 8 in.
- Skeezix (Horton-45) Large deep purple.
- Socrates () (Olbiensis x ?) Red-violet, F. darker, wh retic, lt-yel bd, 8½ in.
- Sonny (Bur-26) Medium yellow, clean, 7 in.
- *Sound Money (Sass-35) Deep yellow, dark yel bd, good shape, 7 in.
- Standard (Per-03) Dark purple, yellow beard, 8 in.
- Stately (Horton-45) Light yellow.
- Stewart-alias Stewart Alpine (Cap-01) Medium yellow, yellow beard, 8 in.
- Sweet Spring (Horton-40) Bronze purple.
- *Sulina (Schreiner-) Pumila sub-species, Deep violet-blue self, blue beard, 4 in.

- Sun Drop (Marx-48) (Sound Money x ?) Bright yellow self, 7 in.
 Syra (Mil-12) Dark purple self.
 *Tampa (Cook-36) (Socrates x arenaria) The reddest Dwarf, lined, yel bd, 8 in.
 Tar Baby (Horton-47) Dark red-violet.
 Tex (Horton-47) Blue-violet bitone.
 Thisbe (Dykes-23) (Aphylla x ?) Lt. Pink & blue, ivory bd, tiny bloom, 5 in.
 Three buds.
 *Tiny Tony (Hill-43) (Tony x ?) Wine red, x color & shape, slim stem, 6 in.
 *Tiny Treasure (Hill-43) (Sdl x arenaria) Golden yellow, yel bd, flare, 8 in.
 Titania (Sass-31) Yellow self, 8 in.
 *Tony (Sass-31) Deep wine self, orange beard, 7 in.
 The Great Smokies (Grapes-48) Smoky purple bitone, border, 8 in.
 Tooten (Horton-47) White, marked violet.
 *Trinket (Nic-38) (Marocain x Marocain) Dark yellow self, good shape.
 Tu-tone (Horton-37) Blue-violet bitone, yellow beard, 7 in.
 Verdun (Mil-16) Rosy mauve self, yellow retic, yellow beard, 8 in.
 Villereal (Mil-10) Rose-violet, 9 in.
 *Violet Gem (Cook-46) (Azurea x pumila) Dark blue-violet, blue beard, fine, 6 in.
 Violet Prince (Ouden-33) Dark gray open S., flaring gray plum F., border.
 *Wee Admiral (Marx-47) Dark red-violet, x color, 7 in.
 Wee Prince (Horton-45) Large blue-violet.
 Wigan (Mil-12) Brown red-violet bitone, orange beard, 7 in.
 Yellow Bird (Van Fleet-26) S. gold yellow, F. yellow brown, 8 in.
 *Yellow Frills (Hill-36) Dark golden yellow, orange beard, ruffled, 7 in.
 Yank (Horton-45) violet self.
 *Ylo (Sturt-26) Arenaria sdl, pure lemon yellow self, dome, flare, 8 in, fine.
 Xeon-syn. Xeno (Callis-36) (Orange Queen x ?) Gold yellow self, 7 in.
 Zobeida (Bur-23) Smoky lavender, heavy bloom on falls, 8 in.

As dealers and writers still persist in cataloging a number of varieties under the heading of Dwarfs, in spite of the evidence to the contrary as presented in the Revised Classification of Dwarf Bearded Iris, it is considered advisable to give definite examples of incorrect listing. Several examples have been omitted for lack of complete evidence in this difficult problem of border line classification but those listed in the following catalog are notorious offenders.

Varieties Falsely Listed as Dwarf Bearded

- Argynnis (Wmsn-25) TB, gold and purple, 12 in.
 Ariel (Mur-24) Table Iris, soft blue.
 Aruna (Sass-39) (Eunice x (Trostringer x Aphrodite) RC Hybrid, Int. dk yellow.
 I. aphylla (Linn-1753) Species? Bohemia, IB (44 chr.), branched, soft gray blue.
 Autumn Queen (Sass-26) IB. white self, 18 in.
 Balroudour (Sass-33) (DB x ?) x R.C. Beatrix) Blue-violet-olive buff, 16 in.
 # Barbara (Fos-13) (cengialti x ?) Red and yellow blend, Intermediate.
 Benacensis (Coll-Kern-1887-Tyrel) IB, form of aphylla, dark red lavender, 10 in.
 Berlioz (Cap-01) Rich purple, (from Cap. cat) branched.
 Blue Stone (Per-03) IB, S. Violet-blue, F. deep red-violet, (Laurel Hill Nur cat)
 Burgundy (Barr-10) Intermediate, dark burgundy red.
 Delicata (Cap-02) S. Pure white, F. cream (Cap. cat). In commerce IB, blue, late, 19 in.
 Eburna (G & K-1899) (DB x Tall) Pale yel-white, late, 10 in.
 Eclipse (Cap-02) S. lavender, F. veined purple, yel bd, branched, large bloom, 10 in.
 Elf Queen (Sass-38) Advanced Intermediate, white.
 Elizabeth Huntington (Hunt-28) (sport of Zua) Medium blue, 18 in.

Gloaming (Mur-29) (Dejazet x Orange Queen) IB, purplish blend, 24 in.
 Gorgeous (Starker-35) Advanced Intermediate, white, late blooming.
 Hobo (Wmsn-34) Table Iris, Yellow and maroon bicolor.
 Ladies of Peeling (Dykes-29) Light blue, branching, late blooming.
 Laddie Boy (Sass-31) ((DB x ?) x (Int)) (46 chr) Adv. IB, branched, late, 12 in.
 Louise Starker (Starker-) Advanced IB, white, tall, late.
I. lurida (Soland-1789) Species? Tyrol, Intermediate, mahogany red, late, 13 in.
 Margaret (Fos-08) Intermediate, pale yellow self, late.
 Miss H. M. White (Barr-1893) (Balkana x cengialti) IB, cream white, branch.
 Mogador (Mil-30) Ivory and yellow bitone, late, 15 in.
 Mongol (Mil-24) Blue-violet and red-violet bitone, border, late 15 in.
 Monsieur Steichen (Den-10) (cham. x iberica) Pogo-cyclus, IB, yellow blend, 15 in.
 Nudicaulis (Coll. Hook-1869) IB, form of aphylla, violet bitone, 12 in.
 Pixie (Sass-32) (25 chr) Old gold speckled brown, late blooming.
 Play Boy (Wmsn-34) Table Iris, white bitone, 12 in.
 Royal (Cap-01) Intermediate, Dark blue-violet.
 Sapphire Night (Nic-35) IB, deep blue, blue beard, branched, 15 in.
 Snow Maiden (Chad-35) (44 chr) IB, white, branched, late, 13 in.
 Statellae (Tod-1856) Sicily, sport of aphylla, (44 chr) Cream white, IB, 12 in.
 Tan Toy (Nic-37) (Red Elf x Moa) Tan brown, late, 12 in.
 Tid Bit (Sturt-25) Table Iris, Clear medium lavender, 15 in.
 Trautlieb () alias speciosa, alias atropurpurea, form of pseudo-pumila, pink.
 Ultra (Sass-26) Intermediate, dark blue, late, 20 in.
 Zingara (Wmsn-28) Int. or diploid Tall, orange bitone, late blooming, 14 in.
 Zua (Craw-14) IB. sport of Florentina, blue white, late, 18 in.
 Zwanenburg (Den-12) (Lutescens Aurea x susiana) Yellow-olive blend, 14 in.

#Note—Evidently Barbara in commerce is not true. Laurel Hill Nurseries, original importers, describe it as S. purple crimson, F. dark crimson purple. One in Test Garden under name of Barbara fits Barbara Perry (Per-03) light blue or smoky white. Barbara Perry in commerce, cream-purple-olive, fits Check List Barbara IB-M-S7M (Fos-13).

##Note—Several true Dwarfs in commerce are not the described original varieties. Delicata (Caparne catalog description) S. pure white, F. cream. Delicata (In commerce) Pale blue self flushed lavender.

Libra (Cap. cat) S. blue. F. rich blue purple.

Libra (In commerce) White self.

Attica, pumila species, diploid, 16 chromosomes.

Attica (In commerce) Chamaeiris form.

April 22, 1950.

Metamorphosis of the Butterfly

PHILIP G. CORLISS, M.D., (Somerton, Arizona)

Why should the Butterfly Iris, of all the Iris species, be the only one not called by its common name? Since we speak of Japanese, Siberian, Louisiana, and California Iris, let's stop calling them "spurias" (a nasty-sounding word) and give them their own delightful name which so aptly describes them. "Spurias" must be spelled to distinguish it from "Spurious"; it also suggests "spew" and "sputum." The butterfly iris is not so called because of its fragility, but rather because a clump appears to be surrounded by a cloud of graceful butterflies.

Actually, the butterfly iris is among the hardiest and easiest to grow. Authorities from Dykes down have stated that almost all soil reactions and conditions are tolerated, but they have given the impression that moisture and acidity are preferred. In my experience, this is wrong, for in my alkaline desert region near Yuma, Arizona, the butterfly iris thrive as they do nowhere else. Because they have proved to be the most persistent "weed" in my garden, I decided I would give them more attention. It seems to have been forgotten that one of the species is named "halophila," which means "salt loving."

Butterfly iris like plenty of water, however, and I have never seen any bad effects from giving them too much. Soft rot has never affected them in my garden, and I wish I might say the same for other species. They will stand drought better than any other species that I grow. Last year



(above) IRIS CARMEN CORLISS
(Corliss—photo)

PAGE 60, IRIS CHEROKEE CHIEF,
PAGE 61, IRIS TWO OPALS. THESE
SPURIA VARIETIES ARE ORIGINA-
TIONS OF MR. NIES.





I transplanted two long rows into some new ground that proved to be full of alkaline salts. The green leaves withered, and I assumed the plants were dead and ceased to water them. In southern Arizona, that means that they got no water at all. Some months later I planted some roses in the troughs between the rows, as the salt had risen to the top of the raised beds. As the roses were watered, the iris came to life and many of them bloomed without missing a season.

It is true that the butterfly iris do better if left undisturbed for several years, and although some of them will not bloom the year after being moved, I find them much less temperamental in this respect than the tall bearded iris. Their increase is phenomenal and they are easily pollinized by insects, producing monstrous seed pods. The seeds of the butterfly iris germinate easily, and they are curious in that they are enclosed in a thin membrane which holds enough air so that the seeds float and are carried by water to grow in new areas. I think that every seed of several hundred I planted last November germinated, and the seedlings were twelve inches high six months from planting.

The flowers of the butterfly iris resemble those of the Dutch iris and are of such strong substance that they are welcomed by florists for corsage work. They surpass the Dutch iris in size, form, color, and because of the branched stalks. Each stalk produces about eight blooms on short vertical branches, and it is not uncommon to see four flowers open at once on a single stalk.

I would like to consider the modern butterfly iris in the light of certain desirable factors which have been improved through breeding:

(1) Color. The species are white (always with yellow markings), yellow, and blue. The dwarf "Graminea," which some doubt is a true spuria, is reddish-purple. Mr. Eric Nies, of Hollywood, has pioneered the development of the brown spurias, which are descended from Sir Michael Foster's Monspur, through Mr. Nies' Bronspur, which owes its brown color to the heavy veining. The finest of Mr. Nies' new browns is "Cherokee Chief," a large and beautifully finished flower with flaring falls. "Golden Agate" has even darker brown tones, the standards and edges of the falls being especially dark.

Attempts are being made to bring red tones into the butterfly iris. The reddest variety to date is Washington's purple "Monteagle." Several of Mr. Nies' blue seedling have mauve style arms, so surely the reds are not far away.

The closest approach to a pure white butterfly iris is Mr. Carl Milliken's "White Heron." Distinct from any other butterfly iris in color is Mr. Milliken's buff "Wadi Zem Zem."

The loveliest butterfly iris, in my opinion, is Mr. Nies' "Lark Song," which has yellow standards and falls, with a wide ruffled white border on the latter.

Great improvement in the blues has been accomplished. The clearest medium blue is Mr. Nies' "Color Guard," which surpasses even the fine "Dutch Defiance" of this same hybridizer. A new dark blue named "Carmen Corliss" (for my wife, who is President of the Arizona Federation of Garden Clubs) will soon be available from Mr. Nies. It is a late bloomer, and much deeper than any blue heretofore seen. It grows 44" high, the flower is 4" in height and 3½" in diameter. The round flaring falls are 1¾" in diameter, with a deep yellow signal patch. The standards are 1 3/16" wide, and both standards and falls have a reddish cast, while the style arms have a mauve tinge. The edge of the fall is slightly serrated, and the flower is smoothly finished. Pleasing combinations of yellow and blue are found in Mr. Nies' "Pastoral" and "Saugatuck."

(2) Large flowers and broader, more rounded falls: The new butterfly iris are larger than their parents. The brown "Cherokee Chief" grows 48" high, the flowers have a spread of 5", and the falls are 1¾" wide. The blue "Color Guard" is the largest of all, growing to an height of 50", with a spread of 5½", and having falls exactly two inches wide.

(3) Flaring Falls: Most of the named butterfly iris hybrids are improvements in that their falls do not curl under the flower, but stand straight down or flare. This is true of such older varieties as "Azure Dawn" and "Sunny Day," and is found in all of the new Nies and Washington introductions.

(4) Ruffling: Many ruffled varieties have come from the Washington gardens, among which may be named "Fairy Wand" and "Hazy Hills." This creates a fragile effect which belies the strong substance of the flower. "Two Opals" is the most ruffled introduction of Mr. Nies. It is coffee-colored, with brown veins. Besides a delicate ruffling, it has an indentation in the center of the bottom of the falls, a feature common to several of Mr. Nies' varieties, which makes the falls look like an inverted heart. "Two Opals" and "Lark Song," with their wonderful color and lovely form, are unexcelled for corsage work.

No Iris garden should be without the butterfly iris, whose blooming period usually follows that of the tall bearded varieties. They do well under most garden conditions, are insect and disease resistant, and their foliage is attractive and useful the year around in the garden and for flower arrangements. Let us bury that horrid name, or relegate it to reference books, along with "eupogon," "unguicularis," and "hemero-callis"!

New Vistas for Breeders of Dwarf Iris

L. F. RANDOLPH, (N.Y.)

The unusual results obtained in the past few years by Mr. Paul Cook from crosses involving new combinations of dwarf and tall bearded irises suggest that there are many interesting possibilities inherent in crosses of this sort that have not been realized. Most of the true intermediates we have at present originated from crosses of 40 chromosome dwarfs of the chamaeiris type. Mr. Cook has experimented with various other species including the true *I. pumila* L. which has 32 chromosomes and an unnamed yellow dwarf obtained originally from Mr. Rex D. Pearce which somewhat resembled *I. mellita* Janka. The results he obtained from these crosses are noteworthy for several reasons.

The seedlings with the bright green patch or blotch of color in the center of the falls, obtained by Mr. Cook from crosses involving *I. pumila* and a light blue tall bearded iris, Cook 10942, represent an entirely new color pattern for the intermediates, which is reminiscent of the signal patch of the *Oncocyclus* iris.

I saw these seedlings for the first time in the spring of 1948 while en route to the Nashville meetings. They impressed me at once as something entirely different, with interesting possibilities for the development of new kinds of early blooming iris. Since the pumila dwarfs are appreciably earlier and have shorter stems than most chamaeiris dwarfs it was not surprising that these tall x pumila hybrids were earlier and somewhat shorter than typical intermediates of chamaeiris and tall parentage.

The unexpected occurrence in these F-1 hybrids of the spot of color in the center of the falls is much more difficult to explain. Neither parent showed any trace of this color pattern. The tall seedling No. 10942, which was the seed parent, was a light blue self with two generations of light or medium blues in its ancestry, including the well known varieties Santa Barbara, Pacific, and Castalia. There is nothing here to indicate the presence of the unusual color pattern. The pumila parents were a lemon yellow self and a blue purple bitone. Seedlings which I have grown in relatively small numbers from these same two color forms of *I. pumila* have shown no trace of a distinctive color spot on the falls.

From the genetic viewpoint it is theoretically possible that each parent contributed genes which acted in a complementary manner to produce the color spots, an explanation which would account for the absence of the character in either parent. Also, the possibility should not be overlooked that a case of cytoplasmic inheritance may be involved. The color pigments of the flower are located in the cytoplasm of the cell outside the nucleus either in color plastids or in the cell sap. Since the

green color might conceivably represent a blending of the blue and yellow pigments present in many of these seedlings there was a possibility that the yellow color, which in the tall bearded varieties is located in the plastids, in these seedlings of *I. pumila* parentage might be located in the cell sap along with the blue purple pigment. Cytological examination of the petals of the yellow pumila flowers revealed that the color was located in the plastids as it is in the tall bearded yellows. Apparently, some less obvious explanation of the occurrence of the green color spots together with similar blue and yellow spots in sister seedlings must be sought, and until more is known about the inheritance of the character their unexpected appearance in these crosses will remain very much of a mystery. Unfortunately, the tall blue seedling used in the crosses produced no pollen and the reciprocal cross needed to test for plastogenic inheritance could not be made.

The fact that only white and yellow seedlings resulted from the cross with the lemon yellow pumila in combination with the tall blue, and blues, whites, and yellows were obtained when the blue pumila was crossed with the same tall blue suggests that the yellow pumila was carrying a dominant inhibitor of the blue color. The occurrence of whites and yellows, which also are genotypically white, in the progeny of the tall blue and the blue pumila can be explained most simply by assuming that both parents were carrying recessive white alleles with probably no

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more than one dose of the dominant allele for the blue color from either parent; even so there are fewer blues than would be expected.

The unusual colors exhibited by the seedlings of tall blue x *I. pumila* parentage are very interesting, but of even greater practical and theoretical interest is the fact that these hybrids are fertile. In this respect they are unlike the hybrids of tall and chamaeiris dwarfs which are so highly sterile that very few seedlings of value for breeding purposes ever have been obtained from them. In reply to a recent inquiry concerning their fertility Mr. Cook stated that in 1948 when the tall blue 10942 x *I. pumila* hybrids first bloomed considerable seed was obtained from crosses made with them in several directions. He has 120 seedlings from sib crosses due to bloom this spring; many seedlings have been obtained from them as the seed parent in backcrosses to *I. pumila*, and their pollen was used successfully in backcrosses to various tall.

The fertility of these hybrids is attributed by Mr. Cook to the fact that both parents are tetraploids. It is well known that most modern varieties of tall bearded iris are tetraploids with twice as many chromosomes as the older diploid varieties. But it is not as well known that there is a species of dwarf iris, *I. attica*, which has 16 chromosomes and that the closely related *I. pumila* has 32 chromosomes.

Whether the tetraploid tall and *I. pumila* are allopolyploids or autotetraploids of relatively recent origin is not known, but the fertility of their hybrids does suggest that each parent contributed 2 sets of chromosomes sufficiently alike to pair regularly inter se and produce germ cells with a set of chromosomes from each parent. If this is happening, the seedlings from sib crosses should be very much alike and direct cytological examination should reveal 20 pairs of chromosomes in the hybrid seedlings. One of the F-1 seedlings was examined cytologically and the root tips had 40 chromosomes, the expected number if 24 had been contributed by the tall parent and 16 by the pumila parent. The buds will be examined this spring to find out how the chromosomes pair as they are being distributed to the cells from which the pollen grains are formed.

In this connection the possibility might be mentioned that the known species of European dwarf iris with 40 chromosomes originated as hybrids of dwarf and tall parentage. A dwarf species with 16 chromosomes similar to *I. attica* when crossed with a diploid tall having 24 chromosomes would give an F-1 with 20 chromosomes and the doubling of such a hybrid would be expected to produce a fertile, true breeding species with 40 chromosomes. Some of Mr. Cook's F-1 seedlings of tall x pumila parentage were no taller than typical chamaeiris dwarfs and some were just as early. Following this initial step in the formation of a new species it is conceivable that variation and natural selection

over a period of years produced the 40 chromosome dwarfs of the chamaeiris type. Obviously, the doubling might have occurred independently in each of the parental forms before hybridization occurred, rather than afterwards. From the meager information available it appears that the geographic distribution of the diploid talls was to the west and that of the tetraploid talls to the east of the region in which the pumila dwarfs have been reported, but it is not known whether there has ever been an intermingling of these tall and dwarf species in nature to provide the opportunity for natural crossing.

The production by Paul Cook of fertile hybrids of intermediate height and blooming season from crosses involving tall blue tetraploids and the unnamed yellow dwarf which he obtained from Rex Pearce is a very important contribution to the breeding of better early varieties. The true intermediates previously developed ordinarily are so highly sterile that they have been almost worthless as breeding stocks for the development of improved types of early blooming iris. The yellow dwarf was crossed with pollen of Shining Waters obtained from Mr. Geddes Douglas and from the resulting batch of seedlings No. 1346 was selected for crossing to several tall blues. This seedling was fertile both ways. The backcross to Shining Waters with No. 1346 as the seed parent, and crosses with pollen of No. 1346 on two different tall blues produced from a relatively small number of pollinations a total of 183 seedlings which bloomed.

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From these crosses some very lovely soft blue amoenas were obtained with pure creamy white standards and falls that are really blue. Here we have a distinctive new line of amoenas from which real advances in this color class can be expected. Unfortunately, too little is known about the inheritance of the amoena color pattern to predict the breeding behavior of these hybrids or explain their origin from parents neither of which exhibited the character.

The fertility of these hybrids provides the opportunity for further improvement and the development of tall standards that will bloom with the dwarfs; also dwarfs and intermediates with the improved form and substance and the great variety of colors characteristic of modern tall standards.

It is probable that the yellow dwarf from Rex Pearce was a 48 chromosome tetraploid. When I visited Bluffton last spring Mr. Cook no longer had it in his garden; but he gave me a rhizome of the F-1 seedling No. 1346 for a chromosome count and the number was 48. In all probability other 48 chromosome dwarfs will be found either among collected species from the Balkans or elsewhere in Europe, or as mendelian dwarf segregates in progenies of tall parentage.

Dwarfism occurs not infrequently as a simple mendelian recessive in many species of plants and animals. When promising dwarf seedlings appear in our iris seedling plots they should be saved for breeding purposes. It would also be very much worth while to make a systematic search in existing collections for dwarfs that will produce fertile hybrids with the tall standards. The test garden for dwarf iris established by Mr. Walter Welch at Middlebury, Indiana, recently designated as an official test garden of the American Iris Society, may contain varieties of this sort.

It was mentioned earlier that the dwarf obtained by Mr. Cook from Rex Pearce somewhat resembled *I. mellita* Janka. According to Dykes this species is native in the Balkans and western Asia Minor, and there is the further interesting comment by Dykes (Handbook of Garden Iris, p. 196) that it replaces *I. pumila* in the Balkans. *I. mellita* has 24 chromosomes. These facts suggest the possibility that there has existed side by side in the past and may still exist today diploid and tetraploid dwarfs of the mellita type with 24 and 48 chromosomes together with the diploid *I. attica* and the tetraploid *I. pumila* which have 16 and 32 chromosomes respectively. From hybrid combinations of dwarf species with 16 and 24 chromosomes followed by doubling, or from combinations of the 32 and 48 chromosomes autopolyploids of the same species without further doubling, could have arisen the 40 chromosome chamaeiris dwarfs of southwestern Europe. More information on their distribution in nature and crossability of the various species of dwarf and tall bearded iris is needed to test the validity of this hypothesis and the alternative one suggested earlier in this article to account for the origin of the chamaeiris dwarfs.

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IRIS, *giganticaerulea*: Native species. Large collected roots. Lovely blue-lavender flowers. Dozen lots only, \$3.00.

LIVE SPANISH MOSS: For tree planting in certain areas. Your friends will marvel at the eerie, romantic look this lovely moss will lend to your garden. 25 lb. Bale—\$2.50; 125 lb. Bale—9.00.

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Post Office Box 8066

CHATTANOOGA 4,
TENNESSEE

The Classification of Irises By Color Groups and Patterns

Effective January 1, 1950

DEFINITIONS

1. The dominant color is the basic color of the petals, or standards, irrespective of the markings thereon.
2. The subordinate color is that which gives any other than dominant color effect to the petals or sepals.
3. Selves are flowers having petals and sepals (standards and falls) of the same color tone.
4. Plicatas and fancies are selves that are faintly to heavily flaked, feathered, stippled, sprinkled, or dotted with an accessory color.
5. Bitones have petals of one tone, usually lighter, and sepals of another tone, usually darker, of the same color.
6. Bicolors have standards of one color and falls of another and usually darker color, but this pattern may be reversed.
7. Blends or Polychromes have an infusion or overlay of a darker tone or a darker color modifying the yellow or lighter basic color.
8. The yellow center of an iris is of significance in classification only by its complete absence, when a self is known as a pure self.

CLASSES, PATTERNS, AND GROUPS

CLASS W. All irises having white standards.

Pattern 1. White, or nearly white, selves.

- Group a. White-whites. Nearly or entirely pure white.
- y. Yellow-whites. With a yellow infusion or flush.
- v. Violet-whites. With a soft violet infusion.
- b. Blue-whites. With a soft blue infusion.

Pattern 2. White plicatas and fancies.

- Group r. White ground with red markings.
- v. White ground with violet markings.
- b. White ground with blue markings.

Pattern 3. White bitones, with off-white falls or standards.

Pattern 4. White bicolors with white standards and colored falls.

- Group y. With white standards and yellow falls.
- r. With white standards and red falls.
- v. With white standards and violet falls.
- b. With white standards and blue falls.

CLASS Y. Irises having yellow standards.

Pattern 1. Yellow tone selves.

- Group p. Pale yellow and ivory selves.
- l. Light yellow selves.
- f. Full yellow selves.
- d. Dark yellow and tan shade selves.

Pattern 2. Yellow plicatas and fancies.

- Group r. Yellow ground with red and red-brown markings.
- v. Yellow ground with violet and red-violet markings.

Pattern 3. Yellow bitones with standards and falls of different tones.

Pattern 4. Yellow bicolors, with yellow standards and colored falls.

- Group o. With yellow standards and orange falls.
- r. With yellow standards and red or red-brown falls.
- v. With yellow standards and violet falls.

CLASS O. Irises having orange tone standards.

Pattern 1. Orange tone selfs.

- Group p. Pale orange, shrimp, and shell tones.
 - l. Light orange, apricot, and copper tones.
 - f. Full orange tones.
 - d. Dark orange and orange-brown tones.

Pattern 3. Orange bitones with standards and falls of different tones.

Pattern 4. Orange bicolors, with orange standards and other color falls.

CLASS R. Irises having red tone standards.

Pattern 1. Red tone selfs.

- Group p. Pale red and pink selfs.
 - l. Light red and rose selfs.
 - f. Full red tone selfs.
 - d. Dark red selfs.

Pattern 3. Bitones of pink, rose, and red tones.

CLASS V. Irises having violet tone standards.

Pattern 1. Violet tone selfs.

- Group p. Pale violet, lavender and mauve selfs.
 - l. Light violet, red-violet, and blue-violet selfs.
 - f. Full hue violet and purple selfs.
 - d. Dark violet selfs.

Pattern 3. Violet bitones with standards and falls of different tones.

- Group pf. Pale violet standards, full violet falls.
 - fd. Full violet standards, dark violet falls.

Pattern 4. Violet bicolors with violet tone standards and other falls.

CLASS B. Irises having blue standards.

Pattern 1. Blue or near blue selfs.

- Group p. Pale blue selfs.
 - l. Light blue selfs.
 - f. Full blue selfs.
 - d. Deep blue selfs.

Pattern 3. Blue bitones with standards and falls of different tones.

CLASS P. Polychromes and blends.

Pattern 1. Various colors and tones infused upon or blended with yellow.

- Group y. Blends with yellow tones predominant.
 - o. Blends with orange tones predominant.
 - r. Blends with red tones predominant.
 - v. Blends with violet tones predominant.
 - b. Blends with blue tones predominant.

Note: Blends are not blends unless there is distinct evidence of at least two colors in the standards and/or falls. Do not confuse with bitones or bicolors.

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Hemerocallis, Poppies, Mums, Bulbs
Large Collection—Color Catalog Free
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AMERICAN IRIS SOCIETY

Statement of Investments

As of January 1, 1950

Description

The Cleveland Union Terminals Company's 1st Mortgage Sinking Fund Gold Bond 5½% Series A, due April 1, 1972	<i>Purchase Price</i> \$1,000.00	<i>Maturity Value</i> \$1,000.00
U.S.A. 2 ¾% Treasury Bonds of 1951-1954	2,000.00	2,000.00
5 U. S. Series F. Bonds 1944	3,700.00	5,000.00
3 U. S. Series F Bonds 1945	2,200.00	3,000.00
2 U. S. Series F Bonds 1946	1,480.00	2,000.00
Total	\$10,380.00	\$13,000.00
	(Signed) CARL SCHIRMER, <i>Treasurer</i>	

FOSTER MEMORIAL PLAQUE

Awarded to
DAVID F. HALL

Formal announcement has been made in the *Year Book* of The Iris Society that the coveted Foster Memorial Plaque has been award to Mr. Dave Hall for the year 1949.

THE BULLETIN wishes to add its voice of congratulation to the many plaudits which Mr. Hall has already received. In the work of developing the new tangerine bearded pinks, Mr. Hall's contribution to iris breeding is virtually without parallel.

I BUY SURPLUS IRIS (BEARDED)

(Minimum considered of a single variety—50)

MUST BE HEALTHY STOCK—TRUE TO NAME—and from responsible growers or hybridizers.

Cash waiting—Write me stating what you have, quantity, and your lowest price. "Tis a golden opportunity for many to clean house."

CHAS. H. LEWIS, B. SC.
Chemist & Horticulturist
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Member of AIS & English Iris Society, Inc.

PRE-SEASON REPORT OF THE REGISTRAR-RECORDER 1950

The purpose of this pre-season Report of the Registrar and Recorder is to close the books on the 1949 business of iris registration and introduction and to provide AIS members and Accredited Judges with the latest information on 1950 registrations and introductions up to the beginning of the 1950 iris blooming season. A further purpose of this report is to publish the names of the latest registrations and introductions for the protection and reference of members and breeders.

1950 REGISTRATIONS TO MAY FIRST

These registrations cover irises that were observed and reserved for naming as a result of their performance during 1949, but on which Applications for Registration were filed too late for consideration as 1949 business. Of these pre-season 1950 registrations, those not listed as introductions in 1949 lists and catalogs are eligible for High Commendation but not for Honorable Mention.

TALL BEARDED VARIETIES

<i>Variety Name</i>	<i>Registrant</i>	<i>Variety Name</i>	<i>Registrant</i>
Alline Rogers	R. E. Kleinsorge	Miss Syracuse	Alan F. Burgess
Benediction	Walter E. Buss	Nebraska Sunset	Henry E. Sass
Black Midnight	Robert Schreiner	Nixianna	George N. Rees
Black Orchid	Fred DeForest	Orchid Mist	Henry E. Sass
Black Satin	Elizabeth Nesmith	Pink Sails	Henry E. Sass
Blue Parakeet	Don Waters	Port Wine	Henry E. Sass
Bold Copper	Henry E. Sass	Prospector	R. E. Kleinsorge
Bronze Symphony	Mrs. Douglas Pattison	Quicksilver	Robert Schreiner
Capella	Henry E. Sass	Regatta	L. W. Cousins
Circus	Walter Marx	Reno	Kenneth Moore
Dal Tex	Mrs. E. L. Crowe	Rhythm	W. R. Ballard
Dame Caroline	H. J. Randall	Rimrock	Kenneth Moore
Dancing Waters	Henry E. Sass	Rose Taffeta	Kenneth Moore
Enjoy	W. S. Snyder	Ruby Light	Walter Marx
Fashion	W. S. Snyder	Sable Night	Paul H. Cook
Fiery Etna	C. P. Raffill	Snowsheen	Henry E. Sass
Genellen	Edna C. Weed	So Big Dallas	Mrs. E. L. Crowe
Golden Invasion	Wm. Von Daube	Spice of Life	Fred DeForest
Golden Moon ...	Harold W. Knowlton	Sweetbriar	Mrs. C. G. Whiting
Golden Plover	Fred DeForest	Tensleep	Kenneth Moore
Golden Rule	Elizabeth Nesmith	Thanksgiving Firelight	Lloyd Austin
Grand Chief	Mrs. W. R. Stevens	Thorwald	Harold W. Knowlton
Gratitude	W. S. Snyder	Thotmes III	R. E. Kleinsorge
Hawks Hill	Olive Murrell	Tranquility	Orville W. Fay
Heath Crest	Mrs. C. G. Whiting	Verity	Paul Perry
Lindora	Henry E. Sass	White Satin	Mrs. Glen Suiter
Maple Flame	Mrs. C. G. Whiting	Wrath	Paul Perry
Marjie	Fred DeForest	Xenon	Paul Perry
Medicine Man	Robert J. Graves	Yankee	Paul Perry

INTERMEDIATE BEARDED VARIETIES

<i>Variety Name</i>	<i>Registrant</i>	<i>Variety Name</i>	<i>Registrant</i>
Fall Velvet (FB)	G. Percy Brown	Harvest Blue (FB)	G. Percy Brown

DWARF BEARDED VARIETIES

Blarney	Walter Welch	Primus	Walter Welch
Blue Band	Paul H. Cook		

TABLE IRIS VARIETIES

Cricket	Harold W. Knowlton	Pearl Cup	Harold W. Knowlton
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HEXAGONA HYBRIDS

Big Dove	Geddes Douglas	Dixie Holiday	Mrs. Harold Sims
Caddo	Lillian Trichel	Sibyl Sample	Lillian Trichel

ONCOCYCLUS HYBRIDS

Asoka of Nepal	Clarence G. White	Pali of Bactria	Clarence G. White
Jataka of Nagasena	Clarence G. White	Vinaya of Shankara	Clarence G. White
Mar of Benares	Clarence G. White		

There are seventy-four varieties listed in the above report of registrations.

1950 INTRODUCTIONS TO MAY FIRST

(Statement of Introductions Filed Prior to May First)

This is only a partial list of 1950 iris introductions but includes all varieties for which the requisite Statements of Introduction had been filed prior to May 1, 1950. These varieties are all eligible for Honorable Mention, as are all previously introduced but unhonored varieties and all additional introductions listed in 1950 lists and catalogs and for which Statements of Introduction are filed prior to the decision of the Awards Committee on 1950 Awards and Honors.

<i>Variety Name</i>	<i>Originator and Year Registered</i>	<i>Introducer</i>
Alline Rogers	Kleinsorge '50	Cooley
Benediction	Buss '50	Buss
Black Orchid	DeForest '50	DeForest
Blue Blazes	Welch '49	Williamson
Blue Mood	Whiting '48	Whiting
Blue Parakeet	Don Waters '50	Williamson
Bold Copper	Henry Sass '50	Sass Bros.
Capella	Henry Sass '50	Sass Bros.
Centurion	Wills '49	Nesmith
Circus	Marx '50	Marx
Clear Sailing	DeForest '48	DeForest
Cloudcap	DeForest '47	DeForest
Colonial Dame	G. Douglas '49	Nesmith
Copper Beech	Nesmith '48	Nesmith
Copper Kettle	Whiting '48	Whiting

See them in bloom!

*Bearded
Kaempferi
Siberian
Spurias
Miniature
Louisiana
Hybrids*



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VISIT our Display Garden consisting of over a quarter of a million plants. Select your Iris from one of America's most complete collections—featuring New Sea Shell Pinks and hundreds of the country's newest and finest Iris in all types. Blooming from about May 20th to July 1st.

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Pay us a visit any day, including Sunday—or write for a free catalog.

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1435 Van Houten Avenue, Clifton, N.J. — Off Route 6

<i>Variety Name</i>	<i>Originator and Year Registered</i>	<i>Introducer</i>
Dal Tex	Whiting '50	Crow
Dancing Waters	Henry Sass '50	Sass Bros.
Dixie Dream	George Rees '49	Rees
Enjoy	Snyder	Snyder
Fashion	Snyder	Snyder
Fiery Etna	Raffill '50	Murrell
Frontier	Peter Fass '48	Fass
Gala Finale	DeForest '48	DeForest
Genellen	Edna Weed '50	Weed
Golden Plover	DeForest '50	DeForest
Golden Rule	H. F. Hall '50	Nesmith
Grand Chief	Jean Stevens '50	Stevens Bros.
Gratitude	Snyder '50	Snyder
Green Whisper	Joyce Button '49	Button
Gypsy Classic	DeForest '48	DeForest
Hearts Desire	Wills '47	Nesmith
Heath Crest	Whiting '50	Whiting
Helen McKenzie	Graves '46	Nesmith
Ivory Princess	Whiting '48	Whiting
Jane Phillips	Graves '46	Nesmith
Lady Moon	Whiting '48	Whiting
Lindora	Henry Sass '50	Sass Bros.
Lodestone	Whiting '49	Whiting
Lucky Star	Marx '45	Marx
Maple Flame	Whiting '50	Whiting
Marjie	DeForest '50	DeForest
Maytime	Whiting '48	Whiting
Nebraska Sunset	Henry Sass '50	Sass Bros.
New Hope	DeForest	DeForest
Nixianna	George Rees '50	Rees
Orchid Mist	Henry Sass '50	Sass Bros.
Padre Mio	Walter Button '49	Button
Paradise Pink	Lapham '49	Williamson
Pink Sails	Henry Sass '50	Sass Bros.
Polly Thrall	Barker '48	Nesmith
Prospector	Kleinsorge '50	Cooley
Quechee	Knowlton '47	Nesmith
Regis Royal	Marx '48	Marx
Rose Amber	Whiting '47	Whiting
Ruby Light	Marx '50	Marx
Sky Chief	Marx '45	Marx
Snowsheen	Henry Sass	Sass Bros.
So Big Dallas	Whiting	Crow
Sunlit Cloud	Marx '45	Marx
Sweetbriar	Whiting '50	Whiting
Syllabub	G. Douglas '49	Nesmith
Technicolor	Whiting '49	Whiting
Thanksgiving Firelight (FB)	Austin '50	Austin
Thotmes III	Kleinsorge '50	Cooley
Tranquility	Orville Fay '50	Fay
Tudor Rose	Whiting '42	Whiting
Velva	Peter Fass '48	Fass

INTERMEDIATE BEARDED VARIETIES

Fall Velvet	G. P. Brown '50	Nesmith
Harvest Blue	G. P. Brown '50	Nesmith

DWARF BEARDED VARIETIES

Blarney	Welch '50	Welch
Blue Band	Paul Cook '50	Williamson
Primus	Welch	Welch

HEXAGONA HYBRID VARIETIES

Big Dove	G. Douglas '50	Nesmith
Caddo	Trichel '50	Nesmith
Ruth Dormon	Trichel '46	Nesmith
Sibyl Sample	Trichel '50	Nesmith

JAPANESE VARIETIES

Doctor Buddington	Norton '47	Marx
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There are seventy-seven varieties listed in the above report of introductions.

REGISTRATION PENDING

These are names that have been proposed for registration but for which further procedure is still pending.

<i>Proposed Name</i>	<i>Proposer</i>	<i>Proposed Name</i>	<i>Proposer</i>
Amazing Grace	George N. Rees	Lana Kay Kuehn	Ella W. Callis
Before Dawn	Orville W. Fay	Mary Randall	Orville W. Fay
Black Hills	Orville W. Fay	Montecito	Carl Milliken
Blue Lark	Ella W. Callis	Olive Eva	Ethel Christenson
Caribbean Coral	Orville W. Fay	Pepper	Walter Marx
Conquest	Walter Marx	Phradie Wells	Lewis Clevenger
Crust	Paul Perry	Pink Champagne	Robert Small
Firetail	Robert Schreiner	Spring Serenade	Carl Milliken
Fleeta	Orville W. Fay	Tantalizer	Walter Marx
Flying Saucer	Robert Schreiner	Teddy Bear	Walter Marx
Golden Wonder	Ella W. Callis	Trail Blazer	Carl Milliken
Intrigue	Walter Marx	White Shepherdess	Mrs. J. A. Sapp
Irisiri	Paul Perry	Zoro	Paul Perry

ERRATA

Mr. Earl W. Weidner, iris and gladiolus breeder, 1405 N. Fifth St., Reading, Pennsylvania, originated and registered the varieties listed in the 1949 Report of the Register (AIS BULLETIN 117) as:

Easter-Mohr, (William Mohr x Easter Morn)
Purissamohr, (William Mohr x (Purissima x Easter Morn))
Sikh-Mohr, (William Mohr x (Dauntless x Sikh))

Mr. Earl Weidner, professional organist and iris breeder, 795 Salem St., Malden 48, Massachusetts, originated and registered the varieties listed in the 1949 Report of the Register (AIS BULLETIN 117) as:

Close Harmony, (Balmung x (San Francisco x Tiffany))
Justine, (Purissima x Great Lakes) x Mount Washington)
Playera, (Amigo x Wabash)
Uriel, ((Frank Adams x Golden Majesty) x Spun Gold))

In order to distinguish properly between the iris creations of two breeders of the same name, the letter "E" should be inserted after the name "Weidner" as it appears with the four varieties last listed.

ADDENDA

On page 104 of Bulletin 115 there appears a preliminary list of the iris introductions of 1949 as compiled from Statements of Introduction received from introducers. The varieties appearing in the following supplementary list were reported on Statements of Introduction received too late for inclusion in the preliminary list.

Cooley, R. M.; Cooley's Gardens, Silverton, Oregon.

TB Ballet Dancer, Black Ruby, El Paso, Minuet, Opal Cloud.

Craig, Thomas; 910 Rome Drive, Los Angeles 65, California.

TB Burgundy Splash, Ghostie, Josephs Mantle, Moon Goddess,

Peach Parfait, Rich Raiment, Rosired, Savage, Weirdie.

OXB Jumna, Askalon, Canaan, Gaza, Hebron, Moab, Mt. Ararat, Mt. Sinai.

ABXO Anatolia, Blue Ox, Heigho, Hurricane.

Murrell, Olive; The Orpington Nurseries, Orpington, Kent, England.

TB Canadian Pearl, Coastal Command, Seymour H. Bathurst, Saint Helena.

Schirmer, H. W.; Schirmer Iris Gardens, St. Joseph, Missouri.

TB Arctic Queen, Asta Schirmer, Bright Wings, Imperial Pomp,

Mohrloff, Paint Pot, Rose of Heaven.

The varieties just listed together with those listed on page 104 AIS BULLETIN comprise the entire list of 1949 introductions covered by Statements of Introduction and now eligible for Honorable Mention. All introducers of new varieties are urged to file Statements of Introduction for their 1950 introductions with the Recorder as soon as possible together with copies of their lists or catalogs offering such introductions.

ROBERT E. ALLEN

Registrar & Recorder

May 11, 1950

Favorite Iris Names of 1949

In the First Good Name Competition conducted by the AIS Awards Committee, 30 names registered in 1949 received three or more votes each from the 77 members who sent in post-card ballots listing in order of preference their favorite three names selected from the Report of the Registrar for 1949. Without further ado, here are the rather surprising results of the first Good Name Competition, in which the favorite names are ranked according to the number of points received, and rated by the same method used in the Official Symposium.

FAVORITE IRIS NAMES OF 1949

<i>Name</i>	<i>Votes</i>	<i>Points</i>	<i>Rating</i>
1. Ballet Dancer	8	19	44.70
2. My Love	5	12	29.27
3. Picture	5	11	26.84
4. Poetry	5	10	24.40
5. Arabian Nights	3	9	22.50
6. Ballad	3	8	20.00
Belle Amie	3	8	20.00
Ruth	3	8	20.00
9. Cadence	4	8	19.75
Clamor	4	8	19.75
Golden Cloud	4	8	19.75
Moonlight Serenade	4	8	19.75
Radiance	4	8	19.75
14. Evensong	3	7	17.50
Masked Ball	3	7	17.50
New Era	3	7	17.50
17. Crystal Charm	4	7	17.28
Drifted Snow	4	7	17.28
Jack Frost	4	7	17.28
Technicolor	4	7	17.28
21. Minuet	5	7	17.07
22. Bright Hour	3	6	15.00
Cognac	3	6	15.00
Goldcraft	3	6	15.00
Pacemaker	3	6	15.00
26. Silver Lake	4	6	14.82

27. Captivation	3	5	12.50
Song of Songs	3	5	12.50
Showboat	3	5	12.50
30. Jill	3	4	10.00

One of the surprises of the first Good Name Competition was the fact that only three of the best-liked names included color as a part thereof. These were Golden Cloud, Goldcraft, and Silver Lake. Only four other names, namely: Moonlight Serenade, Drifted Snow, Jack Frost, and Cognac, gave any suggestion of color.

The first ten favorite names of 1949 give no clue whatever to the color of their flowers. This is a considerable departure from the practice of only a few years ago when it was popular to name irises either from the hues of the color chart, such as Vatican Purple, Mimosa Gold, and Laelia Pink, or with combination color names such as Pink Perfection, Blue Diamond, Violet Symphony, and the like. Whether good names denoting color are becoming scarce or whether public taste is swinging around to names that are intrinsically good is quite impossible to determine from only one poll.

It is also interesting to note that as of the date of the first competition only half of the 30 irises carrying the best names had been introduced. This is not unusual however, because many fine irises are not introduced until two or three years after the registration of their names.

Some of the comments received with the ballots are worth noting as a reflection of what people think about iris names. Here are some of them:

"I wish you had let us vote for five or more names"

"these names bring up pictures from memory's deep wells"

"here are the three worst names also"

"all who name irises should read the article in the April Bulletin"

"I like beautiful sounding names from any language"

"Am I Blue, Leading Lady (in) Star Shine (through) Drifted Snow
(to) Cloud Castle (in) Distance"

"only about one of ten names registered is passable"

"easy to spell, easy to pronounce, easy to remember"

"aren't some of the names silly and meaningless?"

"three choices are not enough"

"the name has much to do with the success of an iris"

"I could easily list fifty names that are stinkers"

"why name flowers for people who are unknown?"

"I don't like names I don't know or can't pronounce"

"if you do this again please list the names on a sheet that we can
tear out and mail"

“how many good name irises will win other prizes?”
“the hours I spent on this were a revelation to me”

The leading selectors of good names in the first competition were determined by assigning to each choice indicated on the post-card ballot the actual number of points the name received in the contest and then picking out the cards with the most points on them. Few indeed were those who chose three of the thirty best names. Here are those whose choices received a total of twenty points or more out of a possible 42 points. A 20 point total could have been achieved by first choosing Ballet Dancer with any other one of the thirty best names but only four people made such a choice.

THE LEADING GOOD NAME SELECTORS OF 1949

<i>Name, address, and selections placing</i>	<i>Points</i>
1. Thomas G. Hanlin, Huntington, West Virginia (Ballet Dancer, Picture, Showboat)	35
2. Paul Perry, Cumberland, Maryland (My Love, Picture, Poetry)	33
3. H. J. Fortin, Fargo, North Dakota (Ballet Dancer, Masked Ball)	26
4. Bennet C. Jones, Portland, Oregon (Ballet Dancer, Minuet)	26
5. Mrs. R. E. Richards, Greencastle, Indiana (Ballad, Cadence, Radiance)	24
6. Mrs. H. A. Laidlaw, Amsterdam, New York (Ballet Dancer, Captivation)	24
7. Miss Mary M. Stump, Fremont, Nebraska (New Era, Bright Hour, Crystal Charm)	20

Because of the fact that the Registrar’s Report for 1949 listed many previously registered names as well as several names not yet registered, quite a number of ballots were received listing names ineligible for this competition. Three varieties registered in 1950 received enough votes in the 1949 competition, by reason of having won High Commendation in 1949 as named but unregistered varieties, to assure their high standing in the 1950 competition. It would, of course, be unfair to list their names at this time.

However, in view of the public interest in good iris names registered prior to 1949, a supplementary tabulation of the favorite pre-1949 names listed in the 1949 Registrar’s Report is presented below. The votes cast for these ineligible varieties doubtless affected to some extent the number of points received and the rank attained by the eligible

varieties. To avoid this confusion in the future, the irises registered during each current year will be listed separately from those that are listed for purposes other than registration.

PRE-1949 GOOD NAMES

(Chosen from the Registrar's Report of 1949)

<i>Name & Regist. Year</i>	<i>Votes</i>	<i>Points</i>	<i>Rating</i>
1. Cherie '45	7	15	35.72
2. Cloud Castle '40	5	13	31.70
3. Sunset Blaze '48	4	11	25.93
4. Pink Formal '47	4	10	24.70
Star Shine '47	4	10	24.70
6. Golden Ruffles '45	5	9	21.95
Gypsy Rose '46	5	9	21.95
8. Blue Valley '45	3	8	20.00
Distance '46	3	8	20.00
Pinnacle '45	3	8	20.00
11. Black Ruby '46	3	7	17.50
Leading Lady '46	3	7	17.50
Rainbow Room '45	3	7	17.50
14. Love Story '46	4	7	17.28
15. Desert Song '46	3	6	15.00
Fantasy '44	3	6	15.00
Heritage '48	3	6	15.00
New Hope '47	3	6	15.00
19. Glory '43	3	5	12.50
Swan Lake '47	3	5	12.50
21. Blumohr '48	3	4	10.00

Limited in scope though they were, the results of the first Good Name Competition certainly lend credence to the oft-heard axiom, "A good iris has to have a good name to become popular." These results are important also because for the first time some indication of what constitutes a good name in the minds of AIS members has been obtained. The Good Names of 1949 should help improve the names registered in 1950 and subsequent years. As indicated in the announcement, the Good Name Competition is concerned solely with names. Therefore, no reference whatever is made in this report to the registrant or introducer, the type of iris or its place of origin. May 10, 1950.

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Our Members Write . . .

BACTERIAL LEAF BLIGHT IN NEW ZEALAND

For some little time I have had suspicions that there has been Bacterial Leaf Blight in some of our plantings of bearded irises here in New Zealand. These suspicions have now been confirmed by examination of affected plants by the New Zealand Department of Scientific and Industrial Research at their plant diseases station at Auckland.

I am writing to you on the matter because in A.I.S. Bulletin No. 110 you said in your article entitled "Post-Season Meditations" that you had had attacks of bacterial leaf spot before you knew that such a thing existed. I have no doubt that there are many iris-growing people who have had experience with the disease but most of them, particularly the commercial growers, are unwilling to admit it. Naturally, the giving of such information would be harmful publicity for anybody deriving a living from irises. However, as you have been so open about diseases generally, I trust that you will not mind receiving an enquiry from this part of the world as to what treatment you have applied. Your article almost suggests when you say that you have had attacks of bacterial leaf spot, that they are now a thing of the past. If such is the case then you are well rid of what is at least a very disfiguring trouble.

Whilst Professor Walter Burkholder maintains that the disease sometimes disappears in some localities, I see that Dr. Randolph says it invariably reappears even when the foliage is cut back for shipment of the plants. Our plant diseases station, although it says it is as yet unable to name the disease, mentions that the bacteria affect the leaves only, the rhizome being unaffected. This is in line with Dr. Ran-

dolph's findings that the bacteria when injected into the rhizome did not cause the disease to appear in the leaves. Our plant diseases station has recommended the cutting of the leaves right to the ground, followed by spraying of 3:4:50 bordeaux mixture to prevent re-infection. I intend carrying out their recommendations almost immediately and will then hope for the best.

I have hesitated to bother you on this subject because I know full well what amount of correspondence anybody connected with the affairs of an iris society is called upon to deal with. However, bacterial leaf blight can be so troublesome with iris plantings that I felt sure our members would derive a decided benefit from any observations you would care to give us.

—D'ARCY BLACKBURN, (New Zealand)

I am glad to give you what information I can about bacterial leaf blight, but I am afraid that none of us know very much.

A good many years ago I noticed that in some seasons the foliage in my garden presented an unusually bad appearance. I could only assume that this was caused by the ordinary fungus leaf spot, and read all I could about this, but I was never entirely satisfied that the description I read fully covered my trouble. I felt that something else was involved without knowing what. Therefore, it was a relief to me when the first article in our BULLETIN came out describing the bacterial disease. Why it had not been publicised or identified as a separate disease sooner I do not know because it has evidently been around for a long time. Personally I think there are still other reasons for the disfigurement of foliage besides the leaf spot and the bacterial leaf blight. For instance, I have seen at times something

resembling scorch which I did not believe was scorch. The picture in my garden has been confusing, however, because I have had rot also and I have always had a good deal of the usual leaf spot mixed in with the bacterial blight. As a matter of fact, I think the two usually go together.

Unfortunately, I have not gotten rid of it and do not know of any sure way to do so. I cannot state anything about it as certain knowledge because I have not kept careful enough records and have not been able to verify anything experimentally with proper controls and checks. I do have the following impressions:

A. The bacterial leaf blight varies in severity from year to year. I believe also that there may be a long range cycle in its virulence, but I am not very sure of this.

B. It varies according to location and according to the type of soil. I am pretty sure the late Chancellor Kirkland used to have it very badly in his plantings although the disease had not been identified at the time. He lived in the same area as I. On the other hand, the garden of Tom Williams and that of Geddes Douglas, which are close together some eight miles away, have never had it in anything like as severe a degree as I have. Both Mr. Williams and Mr. Douglas have gotten my plants from my garden and Mr. Williams took over the Kirkland stock.

C. Iris varieties differ in their susceptibility to it.

D. I believe Dr. Randolph may be right in saying that the infected plant will continue to carry the infection even though the foliage is cut back, and the plant soaked in a disinfectant, or dried out, etc. The disease *may* reappear, but there is no certainty that it will do so. I have seen a badly affected clump clear up the next year or the year after so that a casual examination will not reveal the presence of the disease. We all carry around with us the germs of various diseases but do not as a rule become ill because of them. I think it very possible that a plant dug from a diseased clump might be perfectly healthy in another location and might not spread the disease there unless conditions were entirely favorable for it.

E. The main noticeable harm that the disease does is to disfigure the foliage and make the garden unsightly. It probably does weaken the growth to some extent, but I have never been conscious that it noticeably affected the quality of the bloom.

I have never been at all certain that its presence was likely to lead to rot. It is true that bacterial leaf blight has been worse in my garden in the same general area in which I had epidemics of soft rot some years ago, but I believe something about the soil in this area promoted the growth of the bac-

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W. A. PAYNE

R. R. 3, Terre Haute, Indiana

teria of both diseases and this was the only connection.

Please do not think that I take bacterial leaf blight too lightly or minimize it. It has worried me a good deal and I have been ashamed some years of the appearance of my plants. I have tried clean cultivation, or sanitation, and also spraying but I have never been sure whether either did much good. I believe spraying can help the fungus leaf spot, but whether it does the blight I do not know. Dr. Randolph and Dr. Burkholder say spraying cannot help this because it works from the inside. This is logical, but it could be wrong.

When I let stock out of my garden I always try to make sure that the plants are sound and healthy. I would worry more about spreading infection if I did feel that the disease was not already present to some extent at least in any area where it might flourish. I do not think it can flourish in a comparatively hot and dry climate, such as the Pacific Coast. Professor Mitchell, in his new book, "Iris for Every Garden," does not even mention this disease.

I have felt for some time that bacterial diseases, as distinct from the fungus diseases, needed a great deal more studying and investigation. I think eventually something will be found or isolated that can be absorbed by the plant, to give protection against them just as the sulphur drugs and then antibiotics, like penicillin, were developed to check human diseases. I think there are defensive factors in the soil which can protect the plants. Perhaps this is why irises growing wild or uncultivated nevertheless often seem to be free of diseases in general.

J. E. WILLS, (Nashville)

ED. NOTE: The BULLETIN would appreciate letters from its readers giving their experiences with Bacterial Leaf Blight. Pictures of iris leaves affected with this disease may be found on page 122 of "The Iris—An Ideal Hardy Perennial" and on page 54 of BULLETIN number 105 (The Bacterial Leaf Blight of Iris, W. H. Burkholder). It is readily recognizable. While spraying may be of

little value in curing this disease since it works from the inside of the leaf, in the editor's opinion its spread may be checked by trimming off the diseased leaves and spraying the remaining fans with bichloride of mercury solution. This indicates that the bacteria, at least, enter from the surface of the leaves.

JUDGING FIRST YEAR PLANTS

In perusing a recent BULLETIN I note the number of judges, who, in viewing many of the newer varieties of iris, state that they cannot competently judge it as they have seen it only on a one year plant. My own experience with newly set varieties prompts me to ask the question "Why?" Let me illustrate. Last year I ordered from Washington state twenty five new (to my garden) iris. These arrived on July 21st and were immediately set out in the normal way. No special fertilizer was used except that I spaded in about two inches of pure compost when I prepared the beds. When rainfall was insufficient, I watered them at ten day intervals until well established. With two exceptions, every one bloomed this spring. One rhizome produced five bloomstalks; two produced four; four produced three; nine had two, and seven had only one. The bloomstalk on one rotted away and one failed to bloom but did produce seven huge rhizomes this year.

Now there was nothing inferior about any of these stalks. They all measured up to or exceeded the catalog descriptions in height and size of flower. Vatican Purple with five stalks and Majenica and Minnie Colquitt with four each were as attractive as any clumps of two years standing that you are apt to see. Among the planting were three or four that had a reputation of being slow growers but these seemed to do as well as any.

Another group of twenty-seven, purchased from local gardens or acquired by exchange and planted about 10 days later gave an almost equal percentage of bloom but not so many multiple stalks. The stalks and flowers

were of full size. One small clump of Peshawar I carefully separated into four small rhizomes. They gave me seven bloom stalks.

While last year, because of much snow, might represent an unusual year, I have never had less than sixty percent of bloom on newly set rhizomes and the same year established clumps did not produce over sixty percent of bloom. In some two hundred varieties in my garden, only two (Amigo and Christabel) produced dwarf bloom stalks the first year. All others have been of full height and full size bloom. Some better than they have ever been since.

With all due respect to our iris judges, I cannot see why they cannot judge an iris on a first year stalk on everything except its value as a clump. In my experience the first year stalk is usually a better specimen than a stalk taken at random from a clump. Occasionally as good or better stalks might be selected from a clump but the average is generally lower as not all

stalks in a clump are branched the same nor have equal quality flowers.

HENRY M. BREES, (Nebraska)

It seems clear that your batting average with newly set plants is far better than average. Certainly in this locality (Tennessee) and in most of the other places I have visited the judges would be very glad to judge new varieties on one-year plants, but they hesitate to condemn an iris when they know from experience that it will be much better the second year.

Our winter freezing and thawing here in Nashville, for instance, not infrequently lifts fall planted irises right out of the ground. Naturally they are not in the best of shape for spring bloom. Conversely due to over-fertilization, a variety may be bigger and taller the first year than it will ever be again. This is particularly true of first year seedlings.

There is no absolute uniformity about the behavior of newly planted varieties. Pretty Quadroon and Argus Pheasant, planted in 1947, grew perfectly for Mr. Wills the first year and were quite a sensation for the 1948 Annual Meeting. But on the whole most of our irises here and in most other sections are not really performing "in stride" until the second year.

SAM CALDWELL, (Nashville)

Iris

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BARGAINS IN BEAUTY FOR THE CHICAGO AREA

In our garden there are perhaps two hundred and fifty varieties of tall bearded iris. Each year we add from twenty-five to fifty newer sorts and dispose of a like number of the least desirable ones. I think that the following list of about fifty varieties will be found to be hardy and floriferous in most sections of the country. Certainly in our garden they have proven themselves to be almost "super performers."

These iris may be purchased from any dealer at fifty cents or less, and surely in the Chicago area should give top performance at a minimum price.

White—Birchbark, Snow King, Gudrun,
White Valor, Crystal Beauty
Plicata—Los Angeles, Lady Naomi,

Mid West, Theodolinda
 Madam L. Aureau, Tiffany, Ariane,
 Yellow—Noontide, Treasure Island,
 Golden Treasure, Arctic, Golden
 Majesty
 Blue—Sensation, Narrain, Lake Huron,
 Anitra, Gloriele, Blue Danube, Ex-
 clusive
 Lavender-
 Pink—Imperial Bluish, Pink Opal, Now-
 eta, Los Angeles, Miss California
 Red &
 Copper—Spokan, Cheerio, Junaluska,
 Samavar, Salar, Louvois, Directeur
 Pinelle, Christobel, Rosy Wings,
 Ossar.
 Purple—Indian Hills, Black Wings,
 Destiny, The Black Douglas, Ozone.
 Odd combinations to tone up the garden
 —Amigo, Frank Adams, Wabash,
 City of Lincoln, Moonlit Sea.

MILDRED H. HARRELL, (Aurora, Ill.)

BONE MEAL FOR HARD GROUND?

Is bone meal good for iris where the soil is packed very hard following a rainy spell and then a long drought? If so, when is the best time to work it into the soil?

KATIE BELLE BROWN

Hard or crusty ground following rainy spells indicates lack of humus. This is best supplied by well decayed compost. Bone meal will help, especially since it is a good source of some humus and will slowly release quantities of phosphates. My personal preference is to add the compost and fertilizing agent at the time when I set out my iris—usually around the first week in September. Compost, bonemeal, super-phosphate, etc., may be chopped into the surface of the soil in the fall or early spring, but this is less effective. . . .

Will Katie Bell Brown please communicate with the BULLETIN; we have lost your address.

GEDDES DOUGLAS, (Nashville, Tenn.)

WINKING, BLINKING AND PROD— OR ANOTHER NAME ON OUR SHORT SNORTER

It is always interesting to read of visitors' reactions to people, the weather, and the newest iris varieties in the different parts of the country. But it occurs to me that many from our ever widening circle of new members must feel as I do, that there should be at least one serious article in every Bulletin devoted to the matter of actually growing iris. While comments on new varieties are of value to a few, many of us cannot seriously consider such things. We are having trouble enough getting acquainted with the just "good" iris. And does not the symposium show the real worth of the better known varieties—or does it?

I am much too young at growing iris to comment on them, but I am quite an oldster at reading, and here are my odd conclusions gleaned from a thorough perusal of a recent BULLETIN:

All iris gardens visited by judges and writers of articles in the BULLETINS are owned by charming, gracious, pleasant, and genial people. Now here I think Dale Carnegie missed a great big bet. Evidently all one has to do to acquire a charming, gracious, pleasant, and genial personality is to grow iris. Well, I grow a few and I suppose that makes me an Elk.

Next we take the weather. All iris judges and visitors seem to go around muttering to themselves "Oh, what is so rare as a day in June." Either the sun is blazing as in Death Valley, or it is raining as in a jungle, with perhaps some hail. To prove this, we take the case of Winko, Blinko, and Stinko. If the sun is blazing as in Death Valley, Winko stood up under the hot sun; she can "take" it. Blinko faded badly. Stinko's standards flopped badly, and soon became a nasty, pasty mess. Or it is raining as in a jungle. Winko stood up well in the pouring rain and even though her standards were riddled by hail, she just laughed it off. Blinko could not. She fell flat on her face in the mud. Stinko's standards flopped

badly, and soon became a nasty, pasty mess. What these three characters are doing on a normal June day in the judges' home gardens is not known. The judges are never there.

If the sun is blazing down as in Death Valley, there is not much the host can do, but if it is pouring as in a jungle, judges and visitors are supplied with raincoats, umbrellas, rubbers, and/or galoshes. What I want to know is—do all growers of iris keep Fibber McGee closets, and if so, how do they know what sizes to stock?

If it is hot, visitors are frequently plied with cool lemonade which they sip gratefully under shade-trees, but if it is pouring, they come in to sit by a great big wood fireplace and drink gallons of hot tea and coffee while they dry out, steaming and making like a Chinese laundry. Question here is—is it unethical for an iris visitor to take a quick snort? A judge *could* get pneumonia.

Now I grant that all this comes under the heading of odd, and possibly useful information, but I doubt if all our new members we are trying to get interested in iris will find it of much real use in the actual mechanics of growing them.

There is a goodly amount of information for the newcomer in the Questions and Answers Department. Perhaps you will say that a lot of it is most elementary and the answers can readily be obtained from books. Gentlemen, have you tried your local libraries? The new Robins' Roost is a gold mine. Let us hope it flourishes.

If, in order to get authoritative articles from the experts it is necessary to prod them a little, please prod them.

DOROTHY DENNIS, (N.J.)

ORIGIN OF IRIS PALTEC AUTHENTICATED

MRS F. D. RUSSELL, Fort Worth, Texas
Madame:

Right at first I apologize for having delayed so long in answering your letter, for translation having taken some time. I thank you for your kind wishes

for the New Year and I beg you madam, to accept mine, though late, for you and your family.

The remontant pumila Iris Lt. de Chavagnac resulted from an accident, this iris having bloomed again in the autumn, the remontant stocks were planted separately and continued to produce flowers in the spring and in the autumn. After a certain time of observation and after being assured that this variety was well fixed, it was presented to the Horticultural Society of France which gave it a Certificate of Merit for the type in the meeting of November 25th, 1926. A new variety with yellow flowers was obtained and bore the name of Jean Siret.

The first shipment that I made to America was to Mr. Robert Wayman, importer and grower of rare iris in 1927 or 1928, and to Mr. James C. Stevens in 1927.

I am happy, madam, that you have obtained a new color in this remontant type. What should be done is to succeed in obtaining remontants in the germanica with large flowers and strong stems, however I have obtained Paltec by crossing Iris Evansia Tectorum and Iris Pallida. Paltec blooms twice a year, measuring 60 to 70 centimeters in height, with big beautiful lavender blue flowers.

I am old; the war of 1939-1940 and the disastrous results did not permit vigorous researches on the part of the great French sowers like Cayeux and Denis. They are dead and their culture of the iris has been abandoned.

I should be very happy, madam, if you would keep me up to date regarding your findings, and all information concerning iris interests me very much.

Thanking you in advance, I am

Respectfully yours

Charles Andre Nurseries

Varennnes-sur-Allier, (Allier)
France.

SYMPOSIUMITIS

We want you to know that we enjoyed your Foreword. We too are victims of Symposiumitis. As gardeners,

we want an iris with landscape value, hardiness, good substance, and beauty in color and form. The "frills and fur-belows" don't seem to give lasting satisfaction. But it seems that the Bulletin has less and less information of real value to the dirt gardener who is interested in plants and their use in a garden.

I do not happen to have any of the iris you mentioned but for my part, I can't understand how anyone can resist Violet Crown. For years I've been rescuing just a few rhizomes of Sweet Lavender from the compost pile. And banana yellow Shawano with the beautiful brown but despised reticulations, really "pleasures" me.—MRS. MARION B. HITE, Ill.

NORTH CAROLINA IRIS SOCIETY FORMED AT CHARLOTTE

A North Carolina Iris Society was formed at a luncheon meeting held at the Charlotte Woman's Club March 21. Mr. R. W. Shoffner who has an iris test garden at State College in Raleigh was elected President. A North Carolina State Garden Consultant, Miss Elizabeth Lawrence, of Charlotte is Second Vice-President and other officers include Mrs. O. C. Barker, of Asheville and Miss Frances C. Hodgin, of Greensboro.

This new club will be affiliated with the American Iris Society and is open to anyone interested in growing iris. The fee is \$1.00 per year and anyone wishing to join should contact the Membership Chairman, Mrs. S. A. Oscar, 1311 East Morehead St., Charlotte, N.C.

YOUTH IN SYLACAUGA

Please send me a copy of the Check List. I have nearly two hundred varieties of iris and now that I have passed my seventy-fifth birthday my hobby is to make a scrapbook of them containing all information and a color plate of each variety....

Congratulations to Mr. Caldwell on his radio program. I wish that he would ask Mrs. Tom Williams for the collection of poems he read so that we might

have a few in our Iris Bulletin. Some of them were beautiful, I thought.

I hope you will pardon this suggestion. At my age I should be seeing Visions only. But I am still bothered with Dreams.

NAN LANE, Sylacauga, Ala.

Editorial Note: To Mrs. Lane we commended the following anonymous quotation which was sent us by one of our young correspondents of eighty-four:

YOUTH

is not a time of life...it is a state of mind. It is not a matter of ripe cheeks, red lips, and supple knees; it is a temper of the will, a quality of the imagination, a vigor of the emotions; it is a freshness of the deep springs of life.

Youth means a temperamental predominance of courage over timidity, of the appetite for adventure over love of ease. This often exists in a man of fifty more than a boy of twenty

Nobody grows old merely living a number of years, people grow old only by deserting their ideals. Years wrinkle the skin, but to give up enthusiasm wrinkles the soul. Worry, doubt, self-distrust, fear and despair...these are the long, long years that bow the head and turn the growing spirit back to dust.

Whether seventy or sixteen, there is in every being's heart the love of wonder, the sweet amazement of the stars and star-like things and thoughts, the undaunted challenge of events, the un-failing child-like appetite for what next, and the joy and game of life.

You are as young as your faith, as old as your doubt; as young as your self-confidence, as old as your fear; as young as your DREAMS, as old as your despair.

WHEN IS THE BEST TIME TO PLANT

My first purchase of iris was made almost ten years ago and consisted of such varieties as Los Angeles, Gudrun,

Pink Opal, Sierra Blue, California Gold, Noweta, William Mohr, Directeur Pinelle, Rameses and many more that have since been discarded. I thought I was going off the deep end when I added the Red Douglas, Wabash, Tiffany, Missouri, and Amigo at the end of my order. Several days were spent reading descriptions of the iris listed in the various catalogs. My enthusiasm had been brewing for several years due to the performance of some old timers such as Coronation, Majestic, Bluet, Mildred Presby, Madam Chereau, Gleam, and Opalescent which a neighbor had given to me as "cast offs." We thought that they were beautiful.

My order was mailed just before going on our vacation and instructions given to ship to arrive just after Labor Day. They arrived and were carefully planted and the success of the bloom perhaps had something to do with furthering my enthusiasm because I believe that every rhizome bloomed. The size and perfection of bloom along with such a display of color drew many compliments from friends and neighbors.

Winter comes early in Minnesota. The cold is severe and it is evident that those rhizomes planted in September were mature, well ripened and had only sufficient time to set their roots. There was no soft luxuriant growth. I think this accounts for the high percentage of bloom.

Two years ago my entire iris bed was worked over. I began the work soon after blooming season. Newly purchased varieties were planted first as I was anxious that they should get a lot of growth and have the best of care and cultivation. The entire patch had to be dug; the ground was spaded by hand, leveled, and planted. It seemed like a tremendous job to accomplish in spare time and the job dragged on all summer and was finally completed late in September. The iris planted early in July made tremendous growth. The patch looked like stairs when one compared the growth they had made. It was almost distinguishable where each weekend's work had left off. I was

very much disappointed and vowed never again to plant iris late in the season. Those varieties planted early were at full growth in foliage and those planted last made no growth at all, barely having time to set their roots.

With the coming of spring in 1949 I did not expect much of those varieties planted late and thought perhaps those clumps would have to grow another year. The entire patch received the same care and cultivation. The spring growth was at about the same ratio as compared with the summer and fall of the previous year except that those varieties which were planted late developed much faster in the spring. The results of this all season planting was that the varieties which were planted early made luxuriant growth and produced some exhibition bloom stalks but also about 40% of the clumps failed to bloom. The varieties planted in August bloomed with average sized blooms and only a few failures such as Arctic, China Maid, Fair Elaine, and Mary E. Nichols were noted. Those varieties planted during September, which included among others Shining Waters (which is considered tender) and Garden Magic (which usually does not perform well the first year after planting) all bloomed 100%.

With this experience in mind I am advising my customers not to be in too much haste about planting after blooming season but rather to wait for cool days in the latter part of August. I know the customer expects bloom the first season and believe that in this way he will not be disappointed.

This same theory is duplicated in your fruit trees and shrubs, rose bushes, etc., that have been fertilized and produced tender growth late in the summer and fall. This tender growth is easily killed by severe cold or an early freeze just the same as the bloom bud in a tender rhizome is destroyed.

With the above in mind, does it not seem logical to avoid the use of any quick acting fertilizer, especially after mid-summer?

G. B. GABLE, Minnesota.

CULTURE OF IRIS IN ARID REGIONS

I have lived near Yuma, Arizona, for seventeen years, and have grown iris successfully for the last half of this period. If certain precautions are taken, I believe they may be grown more easily in our dry desert climate than anywhere else. The chief disease is soft rot, and the precautions for this are the same as everywhere: be sure you have adequate drainage. I have never lost an iris because of the heat or dryness; my fatalities have always been, in this land of no rain, because I have given them too much water! Some years ago I had a few iris borers, which were apparently imported in rhizomes from other parts. They were easily controlled and are now unknown. The dry air makes leaf diseases of all kinds completely nonexistent. I have learned to use chemical fertilizers rather than organic ones which might promulgate the rot, and it is only when I recklessly plant something like a spuria or Louisiana that needs more water, in close proximity to the tall bearded, that I get in trouble. Full sun in southern Arizona, where, for instance, we had 99% sunshine in October of 1949, is quite different from full sunshine anywhere else in the country. I have found the ideal site for planting iris is near pecan trees, which are one of the few kinds of deciduous trees that we grow. Thus the iris have full sun in the cool winter months, and protective shade in the hot summer months. My bloom period begins the last third of March, and continues to mid-May, when the pecan is well-leaved, and protects the ripening seed pods. Spuria iris grow like weeds in my garden—in fact, I have more trouble keeping down the variety ochroleuca than any true weed. I am trying many Siberian, Louisiana, and regiolocvelus and Oncobred iris this year. "Thor" performed beautifully last year, and made a sensational increase. I have given up the Jap iris because it is too hard in this alkaline country to maintain the acid conditions they require. Bulbous iris apparently do

best if left in the ground undisturbed. The Dutch Iris are grown commercially here, and I am trying many kinds of bulbous iris this year.

PHILIP G. CORLISS, M.D.,
(Somerton, Arizona)

As our climate is extremely dry, except for heavy rains from the end of May through October, and as my space is limited in the garden, I plan to start my seeds in tin cans. My garden is at 7,800 ft. altitude, and the humidity seldom rises as high as 50%. I will keep the cans on the terrace off my bedroom, relatively safe from two- and four-legged small fry, where the temperature in the shade ranges from about 45 degrees to 70 degrees. Watering will be done from below by placing the cans in a container. Should the cans be covered by burlap or paper so as to retain the moisture as long as possible? I presume the earth should be kept moist but not wet, as with other seeds, for however long it takes for germination. As peat moss is not available, would strained Vermiculite mixed with sand and loam be satisfactory, or would strained dried leaves (what is here called "tierra de hoja," or leaf mold) be better? I gather that seedlings are best transplanted when about three inches tall to the spot in which they are to bloom. But should the seedlings, before being transplanted, receive any food or fertilizer, dissolved in water? Any suggestions which you might care to make will be truly appreciated.

HENRY D. BIXBY, JR., (Mexico City)

* * * * *

Experiments by various breeders tend to show that germination of iris seeds is better if the seeds are planted immediately after being harvested. The outer coating of the seed itself is supposed to contain a hormone that retards germination and this hormone seems to be more effective if the seeds are allowed to thoroughly dry before planting.

I think you should decide whether or not you wish to take advantage of your late summer rains, for it is probable that you may be able to get fairly good fall germination. The balance of the fertile seeds should germinate in the spring, but due to your dry winter, will have to be frequently watered.

The method of planting in cans should be excellent. Be sure, though, to provide drainage if topwatering is used for otherwise the seeds will rot. At the present I am using a mixture of two parts garden loam, one part Terralite (agricultural Vermiculite) and one part sand. This seems to be thoroughly satisfactory but needs some fertilization if the seedlings are held over any length of time before transplanting. For this I use any soluble fertilizer and apply by watering.

As to covering the cans before germination, I think you will have to determine this upon examination of the cans themselves. If they appear to be getting too dry, try covering them with cheesecloth. But offhand I would guess that the Vermiculite will hold enough moisture for good germination.

GEDDES DOUGLAS

Please send me the names and colors of several varieties of fragrant irises and where I can order them if possible.

GEORGE KUSHNER.

Nearly all irises have some odor. Some remind you of one kind of flower, some another. In the alphabetical Check List and in the list of yearly registrations many of these scents are identified by the symbol □ with the type of scent abbreviated as per the explanation in the preface.

Most of the pallidas are highly scented and one of the most odiferous is the old variety Princess Beatrice. If the readers of this Bulletin know of iris varieties that are especially sweet scented this information would be greatly appreciated by Mr. Kushner, R. D. 1, Box 392, Oswego, New York.

“ACCORDING TO SECTION”

Will you explain exactly what is meant by the term “according to section” as it is used in your scale of points for judging irises.—MRS. C. E. B., Texas

The iris family was divided by Mr. Dykes into various sections and subsections such as the Siberica section, the Spuria section, Bearded section, etc. When it says to rate branching according to section, it means that you should judge an iris by a standard for that particular kind of iris. Dwarf bearded iris for instance have no branches, only a terminal spike. Tall bearded, on the other hand, may have up to five and six branches. So you should not judge the dwarfs by the same standard you use in judging the tall bearded. The Siberians often have one or more branches. The Spurias have no real branches, but have bloom axils up and down the stalk. The Louisianas vary, some have real branches and some have zig-zag stems with the bloom axils at the angle.

To properly judge blooming iris it is important to know the general characteristics of the separate types of iris with regard to the various qualities to be judged such as poise, height, form of flower, etc.

It has been my practice to give away each year through the public libraries of this section of Los Angeles County, about 2,000 rhizomes of surplus named varieties and selected seedlings. This year I decided to change my procedure, so, being a civil service state employee, I offered through the State employee's Bulletin to give iris rhizomes in boxes of 100 or so to state employees acting in organized groups. I am swamped with replies and although I limited my offer to 2 to 3,000 rhizomes, there is a demand for 20 to 30,000. Typical is a letter from the State Hospital for Mentally Afflicted, “We have no iris here and could use up to 400 if available.” From the border inspection group of the

Department of Agriculture at Ft. Yuma, "There are fifteen families at this station, we have no iris, each family would like ten or twelve." In ordinary circumstances these institutions and these people would never purchase iris in quantity. I hope that by giving away my excess I may add many new con-

verts to the cult of iris fanciers. What I want you to do is to send me about two hundred forms of the "Application for Membership" in the A.I.S. I am going to give these folks a chance to become members.

ROY W. FIELDING, (Calif.)

In Memoriam: Myron E. Douglas

Mr. Myron E. Douglas, of Woodbury, N.J., a veteran member of the A.I.S. and for many years an accredited judge, died in Miami, Fla., on March 5, 1950. He was 74, and had been in failing health for some time.

Born in Fenton, Mich., Mr. Douglas was a law graduate of the University of Michigan, but spent most of his active career with the Curtis Publishing Co., in Philadelphia; he was circulation manager and a director of the company when he retired in 1929. Even in retirement he maintained a lively interest in many business and civic enterprises, including his own church in Woodbury and the Boy Scouts of America, of which he was a national councilman.

His beautiful home and garden attracted flower-loving visitors from far and wide, and his iris collection was at one time the largest and most up-to-date in Region Three. Members who attended the national meeting in Wilmington in 1937 will have bright memories of his beautifully landscaped borders surrounding smooth lawns and backed by hedges of blue spruce and other shrubbery; they will also remember his acre of trial

beds rich with the year's latest novelties (including the first bloom of the Red Douglas seen in the east) and with selected seedlings of his own. He would never include a new variety in his garden picture until it had been thoroughly tested in the trial patch screened from the garden by a high hedge. He nursed his own seedlings with loving care but with no thought of exploiting them commercially, and with so much modesty concerning their merits that he could never be persuaded to distribute even the ones that other judges considered worthy of introduction. However, many A.I.S. members journeyed to Woodbury to see them, and even after ill health had forced their owner to curtail his activities all were met with the most unfailing courtesy and good humor.

Now, since his surviving relatives live too far away to care for it, the garden is to be dismantled and the iris sold. But Mr. Douglas and his Maytime pageant of color will remain pleasant memories for his iris friends as long as those who knew him survive.

JOHN DOLMAN, (Penna.)

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BULLETIN

A of the
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OCTOBER - 1950

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—Caldwell Photo

Agnes Whiting stands beside her introduction **BLUE RHYTHM**, winner of the **DYKES MEDAL** for 1950.

FOREWORD

AS YOU READ the pages of this issue one conclusion is inescapable—the weather was a big factor in iris growing in 1950. Practically every communication received by the Bulletin has made mention of the weather. It affected all phases of gardening. It was too windy to spray, too dry to dust, too wet to dig, and too cold to have tea parties! In some seasons the weather, while always with us, is so with a certain passiveness. Winter ends; spring comes; flowers bloom, set seed and die back in the fall with a regulated pattern.

Not so in 1950. Winter came—but at the wrong time. It would not end—at the right time. Spring confused some flowers into bursting into bloom not once but several times. There was summer in January, then winter in April. To complete the topsy-turviness, as I write this New England is parched brown from drought in the season when it should be wet. Tennessee is lush and green in the season when it should be dry as a bone.

In spite of all, some iris varieties performed last spring as if nothing unusual had happened. All seasons simply cannot be perfect. There will be others perhaps more violent in their changes than 1950. We need more irises that will take “unusual” weather in their stride. Suppose we do have to sacrifice a modicum of color tone, of ruffledness, of flower size or what not? Of what possible value is a flower that will not bloom except just once in a while? Let's have more prima-doers and less prima-donnas.

* * * * *

The present membership of the AIS is 4,528. As far as we know this is the highest at any time in our history. This total is quite an achievement since during the previous year the percentage of non-renewals was almost twice the average of the preceding five years. Credit for maintaining our position and for actually making a net gain of over two hundred members goes to Chairman W. F. Scott, Jr., and his membership committee and to the twenty-one Regional Vice-Presidents and their regional organizations.

Six months ago it became quite apparent that any drop in membership would necessitate a curtailment of activities and a smaller BULLETIN. Rising costs may yet force us to adopt these two measures, but for the time being, thanks to a successful membership campaign we are safe in carrying out our program. Congratulations are in order for Mr. Scott, *et al.*

GEDDES DOUGLAS, *Editor.*

The 1950 Annual Meeting

GUY ROGERS (Texas)

A little less than three hundred rabid irisiarians from all over the United States and Canada converged on Sioux City, Iowa, near the geographical heart of America, for their annual meeting on June 9, 10, and 11th. This event was looked forward to with great anticipation and lingers still as a happy memory. Our hosts had worked incessantly for a year to make it the wonderful meeting that it was. We realized that a convention without a flaw does not just happen, and the Society is indebted to Mrs. Ralph E. Ricker as General Chairman and to all who worked so diligently with her for the carefully planned and well executed meeting. Even the weather was ideal for each of the three days, and the bloom at Sioux City and Mapleton was at its peak.

When Mrs. Ricker called me from Sioux City to say that the lateness of the season required a postponement of the meeting, I immediately placed a call for the Secretary at Nashville so that notices could go out without delay. The operator traced Geddes Douglas from city to city and from garden to garden, finally contacting him on the farm of Joe House near Little Rock in quest of an open flower to show the President of The Iris Society (England). My meeting then with Harry Randall, Esq., was telephonic, and so intrigued was I by his gracious understanding of American weather and the vicissitudes that often befall an American grower that I flew to Nashville personally to meet and visit with him a second day.

He is a charming person, generally interested in any and everything that grows in America, particularly irises. His coming had been carefully arranged, not without difficulty, and his return to England on schedule was required. Our membership sustained a grievous loss in his not personally appearing as principal speaker at the annual meeting and in his not meeting and visiting with the members of the Society. He is calm, gracious, informed, deliberate, interesting, outspoken, considerate, and friendly. To meet him is to know him and to know him is to love him. Harry, come again!

The bloom in Nashville was not up to its usual standard but many things were blooming as if it were a normal year. Geddes Douglas, in his amoena breeding, obtained a color break, the best of which, a neglecta, Number 921-G, is a large, slightly ruffled flower that is very bright in color. The standards are a pale lavender pink and the falls are bright rosy red lightly edged with pink.

Jesse Wills had blooming two noteworthy seedlings. Number 70-47 is a smooth, deep red and has been named Right Royal. Number

25-50 has cream standards and clean white falls. Blooming for the first time, it was still standing firm after a terrific downpour. The latter is a perfect foil for the former.

* * * * *

We motored to Omaha, Nebraska, arriving there June 5th and remaining a second day, going over the many rolling acres of the Sass Bros. farm and its many thousands of irises, including named varieties, numbered seedlings and others blooming for the first time. The bloom was already past its peak and the wind of Nebraska was testing the stamina of the varieties. Small wonder that a variety born and nurtured in that region can perform well in other areas of less erratic weather.

Among the things I liked best at the Sass gardens are these: Snowsheen, a large white self with flaring form, good substance, and branching with but a faint trace of blue near the center, discernible only on close inspection; Port Wine, a very dark red purple and white plicata with carrying power; Bold Copper, a dark tan to brown blend, ruffled and no softer than the average copper. Number 48-405, a deep rose-purple self with red beard and infusion of brown-red that gave it distinctiveness.

We arrived in Mapleton, Iowa, the afternoon of June 6th and were privileged to remain until the third day, basking in the beauty of the Whiting garden. The peak of bloom was approaching, and we were sure the garden would be in full flower when the crowds assembled. The winds of Iowa were bearing down upon varieties originating all over the country. Some were abashed at such treatment while others jauntily stood up as if asking for more.

Too little thought is often given to backgrounds, placements and the essential part other flowers and shrubs should play in the iris garden. There should be a balance between iris grown and their setting. The gardens visited on this pilgrimage exemplified to a marked degree such balance. Each of the gardens visited was a gem of color in an emerald setting. Take, for example, the garden at Mapleton. There the garden value of the iris was effectively in evidence as shown by the absorbing beauty of specimen grouping, the wonderful color effect of mass planting and in the sheer loveliness of foreground placement.

Stately spruce, soft pine, evergreen juniper, rustling maple, and various deciduous middle ground shrubs gave beauty to the yard, protection to the flowers and a colorful background for the iris.

On one side of the hedge-enclosed entrance were occasional clumps of such things as Technicolor, Rocket, Gallantry, and Glad Tidings, each standing out beautifully against the soft silvery blue of Mooreheim's Colorado Blue Spruce. On the other side, against green conifers and among the stately trees, such things as Gold Sovereign, Cloth of

Gold, Brass Band, and soft yellows dominated, each large clump a brilliant focal point of interest.

A long bed of blues and whites, interspersed with chrysanthemums for fall color, flanked the tall trees and smaller shrubs along the long axis of the property line. Its length was interrupted by an effective pool and juniper-covered rockery, in the niches of which flourished columbine, Solomon's seal, lilies of the valley, and violas. This led to the west entrance of the vast mass iris planting, not only of the Whiting things, but of varieties from various hybridizers all over the country, as well as from Canada, England, Australia, New Zealand, France and Italy. One very interesting group had been sent from Rome by Countess Mary Senni. There were about thirty of her own named varieties in bloom, many of them in soft clear pastel coloring.

What a glorious, tastefully arranged color display of perfectly grown iris in full bloom these beds presented!

Gorgeous pines, spruces, and junipers enclosed the large rectangular beds. In these beds only the Whiting creations were grown. They were so harmoniously arranged for color as to appeal to the eye of the most discerning. Still further back, in another garden enclosed by hedges, were displayed most of the new pinks. While in another section of town were grown the thousands of seedlings from which the Whiting things are introduced.

Everything in the Whiting garden was grown to perfection and I have a firm conviction that there is a close connection between the dairy herds on the Whiting farms and the garden.

Among the more recent Whiting varieties that were outstanding may be listed: Maytime, a pink toned neglecta in pastel shades that beckons from across the garden; Technicolor, a smooth and glowing ruby-red self; Ivory Princess, a large and beautifully formed flower whose creamy segments are wide; and Gold Sovereign, the deepest yellow with the greatest carrying power of any that I have seen.

We drove to Sioux City June 8th in time to register and attend the "Howdy Party" which was thoroughly enjoyed by all as is elsewhere described in this Bulletin.

Next morning we left bright and early for the Sass Bros. garden some one hundred miles away. Here a hot and delicious meal was served under spreading trees while all eyes wandered back and forth across the vast expanse of things growing and blooming. The season was still further past its peak, and the wind of previous days had wrought its toll. However, we thoroughly enjoyed the Sass farm with its past memories and future hopes.

The next day was Sioux City day. The morning was spent in going over the Tompkins' acres in suburban Sioux City. They are spread over a rolling hill well adapted to the growth of iris. There we found



—Douglas Photo

Mr. Harry S. Randall, whose recorded speech was heard at the 1950 annual meeting in Sioux City, poses with John Pierce, Mrs. Morgan Ketchum and Jesse E. Wills, in the Memphis garden of Mrs. Ketchum. (Right to left)

blooming all of the named varieties of this careful hybridizer, thousands of his seedlings, as well as many varieties of the various hybridizers from all over the country. The cynosure of all eyes was his red seedling, number 50-90 from Manana x Technicolor, that was blooming for the first time. It is very fine, a perfectly smooth self, its standards as rich and deep as its falls. Windsor was a commanding medium bloom with a trace of white near the throat. I liked Courtesy, a fully formed flower—a delicate blue-white with a beard tipped blue and the nearest approach to a white with a heavy blue beard that I have seen. That afternoon was spent in visiting the many home gardens of members in Sioux City, which are described elsewhere in this Bulletin.

That night was the banquet, always a high light of the annual meeting. The local committee cannot be too highly praised for all arrangements that provided a beautiful setting. The one and only disappointment was the personal absence of the principal speaker, Harry Randall, the President of the Iris Society (England). Although not

personally present, yet we felt that he was there, as his articulate voice came distinctly from a recording made in Nashville as clearly as when recorded.

On the morning of the third day, the members journeyed to Mapleton to see the Whiting garden which was even more beautiful than three days before. After a delicious meal, the ballots for the President's cup were counted and Blue Rythm received the overwhelming vote, and well it should, because I never hope to see a more magnificent display of a variety, a long row of solid blue of uniform height extending across the entire rear of the Whiting garden. This variety has further received the highest award that an American Iris can receive, that of the Dyke's Medal. The cup was presented to Mrs. Whiting, the Society's thanks expressed to all, the meeting was adjourned, and all went their several ways.

Two very important executive meetings were held while the convention was in progress. In the afternoon of June 9th, the Board of Counsellors, which is composed of the Regional Vice-Presidents, met under the chairmanship of Mrs. Ralph E. Ricker. Later the same day, the Board of Directors held their semiannual meeting. Several very valuable suggestions made by the Board of Counsellors were acted upon by the Directors.

* * * * *

We returned through the Chicago area and had a visit to the Hall, Fay and Franklin Cook gardens. They were past their peak in that all terminal blooms were gone, but were still flowering sufficiently to be enjoyed.

Cook's Pinafore was perhaps his most interesting seedling, an unusual flower that is similar to no other. The standards of the nicely formed flower are medium blue-lavender with an almost white area along the midrib. The falls are a darker blue-lavender with a large white spot surrounding the white beard. His Northwestern, a smooth, deep purple, and various unnumbered blends, indicate that we may expect fine things in the future from our past President.

For almost two decades Dave Hall has bred for pinks and their by-products. He is hopeful of a good red from the pink side. He has creams and yellows of varying hues, some yellows with a tangerine beard. Among the seedlings blooming for the first time should be mentioned 50-29, a large ruffled rosy-lavender pink and 50-28, a bright orange pink. His 48-33 was noteworthy.

Orville Fay's garden shows the result of a limited number of well selected crosses which he works out during the winter months. Outstanding in his garden was Mary Randall, a fine flower, worthy to be named for the daughter of Harry Randall, and Truly Yours, a very ruffled bright yellow shading to white near the middle of the falls.



Convention visitors inspect Sass seedling rows

Among his seedlings were 48-29, a light blue, and 48-17, a white self, the very best in their respective color classes that I have seen.

From the middle of April when the season began in Wichita Falls until the middle of June, we had opportunity to ponder the tremendous strides that have been made in hybridizing during the past ten years and to contemplate what the future holds. Much has been accomplished, much remains for the future. Another year we will see different iris in a different setting. The Annual Meeting in 1951 will be held in Shreveport, Louisiana, where in addition to the tall bearded which are grown in quantity, a wonderful collection of the native Louisiana varieties will be on display. A cordial invitation is extended to all to visit our garden here in Wichita Falls, after the Shreveport meeting.

super juice, super folks and super iris

W. F. SCOTT, JR. (Missouri)

When Mr. Leo Reynolds (Miss.) and his group sat down in a Sioux City restaurant the evening of June 8, and ordered their steaks, they did not know that the "running gag" of the 1950 Annual Meeting was about to be "born."

After taking their order, the waitress turned to Mr. Reynolds and asked "Soup-or-juice?"

Leo replied, "Sure, I will take some, what *is* super-juice?"

Well, from then on, the gag was heard on all sides and the meeting started on the jovial, joking, and openly friendly note which was to mark it as one of the best in the A.I.S. history.

All the advance signs had been to the contrary—nothing seemed to work out as planned. Dozens of annoying things piled on top of one another, until the local committee must have been nearly crazy. The weather, of course, was the prime offender. It simply would not co-operate and a postponement of two weeks was necessary.

Well, needless to say, the postponement completely upset the timing of a lot of other things, the most vital of which was the plan to have Mr. Harry Randall, President of The Iris Society (England) as guest and principal speaker. Thanks to a modern miracle, Mr. Randall *was* the principal speaker though he was in England on the night of the Annual banquet. But more of that later.

Thursday night the crowd started gathering in the ballroom of the Martin Hotel for the "Howdy" party, and it was a pretty restless crowd too. The postponement of the meeting had wrecked the entertainment plans which had been worked out for the evening and the local committees were frantic.

Mrs. Ricker went into a huddle with Geddes Douglas, Sam Caldwell, and two or three others, and just about the time the crowd was beginning to sit on the edges of their chairs, Sam took the microphone and the evening took shape. I am sure that nothing like what followed could have possibly been planned in advance. It could not have had the spontaneous good humor and friendliness, nor the element of surprise.

Item 1.

Barbershop Quartet

Judge Guy Rogers, Harry Thomas, Geddes Douglas,
Dr. Franklin Cook and Rev. Folkers

Item 2.

Boogie Woogie Piano Lesson

By that eminent exponent of the left hand—
Geddes Douglas

Item 3.

Solo for the Harmonica—David Hall

“Looking at the World thru Rose Colored Glasses”
“Pink Lady”

This program left the audience almost literally “rolling in the aisles” and disclosed personal facets of the characters of our important iris people, which were entirely unsuspected by the membership at large.

Next, Sam Caldwell called upon members from different corners of the country to rise and say a few words. They were there from Oregon to Vermont, from Canada to Texas and from most points in between.

Later, the attention centered on a huge cake of ice, into which had been frozen a bouquet of iris, and from which came some very good punch. Still later, people milled around the ballroom greeting old friends and making new ones. About midnight, the meeting broke up because the buses were to leave very early the following morning for the Sass farms, a hundred miles away.

The busses did leave early and on time. The hundred miles passed quickly. After what seemed like a very short while, we turned into a dusty cross road and were soon at the Sass brothers' farm, near Benson, Nebraska, and fifteen miles west of Omaha.

The Sass farm left most of the people bewildered and breathless, not to mention footsore and thirsty. It is one thing to consider a few hundred seedlings carefully and to look closely at a hundred or so named iris in a small garden, but quite another thing to contemplate acre after acre of seedlings, and acre after acre of named varieties all grown in endless rows like a farm crop and stretching for hundreds of yards across the hot dusty hillside. For the Sass establishment is not a garden, it is a farm. It is run efficiently by farm methods and not garden methods.

The peak of bloom was well past at the Sass garden and most of the early varieties were gone entirely. It was just as well though, for had we hit it at the peak of bloom I am afraid the vastness of it would have been so entirely overwhelming that no one would have carried away a coherent memory. As it was, those hardy souls who walked a couple of miles could find it possible to concentrate on a relatively small number of excellent blue seedlings and several very fine dark red ones, blooming for the first time. Numerous beautiful dark orange-yellow seedlings deriving from Ola Kala x Rocket were in evidence.

Lunch time could not come quickly enough for the hungry horde, and it was served picnic style by the ladies of a Bennington, Nebraska church. Excellent food, good coffee, and the shade of the great trees

made the picnic tables a welcome spot. Soon after lunch the busses began their departure for Sioux City and on the return trip most everyone drowsed or just relaxed. The sun was hot and feet were tired.

That evening (Friday), the Regional Vice-Presidents held their annual meeting. The meeting was presided over by Mrs. Ralph E. Ricker (R.V.P. Region 21) and with Mrs. T. B. Revell (R.V.P. Region 7) acting as secretary. Ten of the twenty-one Regional Vice-Presidents were present.

Meanwhile, smorgasbord was served at the Mayfair Hotel.

Later in the evening, the Board of Directors held their annual meeting and received reports from various committees. At the same time there was a showing of slides in the ballroom of the Martin Hotel. The quality of color slides being taken by the general membership is steadily improving, and it was most gratifying to the various slides committee chairmen to see how much better are the slides being taken today than those of even a year ago.

Saturday was "Sioux City day" from beginning to end. On that day we were taken by bus from one end of Sioux City to the other, with lunch back at the hotel. First, there was Chet Tompkins' large beautiful garden, hung on a hillside, and constructed with meticulous care, (we were told) on the site of a formerly most unsightly dump. If that information was correct, we were completely unable to find any evidence, for it is now a very beautiful spot from the hillside waterfall, which tumbles over rock ledges, to the seedling rows down by the street, where everyone was crowded around a new red seedling blooming for the first time.

Next there was the home garden of Mr. Dubes, neat, well planned, and well cared for. Then another hillside, that of Mr. E. A. Emery, held in place by tons and tons of red granite blocks and planted in broad terraces with wide paths. Next the home of Mr. W. S. Snyder, with darn near every square inch of the ground, front and back, carefully planted and carefully tended. From Mr. Snyder's we went to the home of Dr. Dvorak, which faces the rose garden of Sioux City. At Mr. Dvorak's the iris took second place to the nest of baby robins in full view, about five feet off the ground in an evergreen near the patio. Iris also seem to take second place to general beauty of planting at Dr. Dvorak's, and the results seemed to teach the lesson that there are other beautiful things besides iris, even if most of us are reluctant to admit it.

From Dr. Dvorak's we went to the home of Mrs. Ricker, the Regional Vice-President of Region 21, and our hostess. There, in a small garden, we saw literally hundreds of the newest iris growing against a background of shrubs and small trees, and bordering a small pool in the rear of the house.

Somewhere along the line that day, an incident took place which supplied another "gag" for the remainder of the meeting. I was walking down the seedling rows of one of the gardens and a particularly bright color caught my eye. I stopped, halted by the color, and leaned over to inspect the seedling more closely. Upon study it was a "dog"—narrow shafts, pinched falls, loose standards, poor branching, and all the faults, but bright in color—a typical "dog." Everyone has hundreds of them for every two or three good seedlings. Upon seeing that the flower had nothing to recommend it further, I stepped back and I must have stepped back quickly, and in a startled fashion. Just then one of our officers passed behind me, and, in a low voice, asked: "What is the matter Scotty, did it bark at you?"

From the last garden on the schedule, the busses went up to the rim of Stone Park, a newly developed State park, on a high ridge which overlooks the beautiful countryside for miles and miles. From here and from the hilltop of Grandview Park, we looked out upon the most beautiful farm land in the middle west. We could see part of three states—Iowa, Nebraska, and South Dakota.

Then back to the hotel to clean up for the Annual banquet and to rest approximately five hundred and fifty hot, tired feet.

Out of consideration for those who had early evening trains to catch on Sunday, the banquet (contrary to usual procedure) was held on Saturday night. For that reason, it was not possible to award the President's cup at the banquet, as has been the tradition in past years. However, there was plenty else to hold the attention of the assembled. First, the meal itself was excellent. The frozen sherbet bouquets, which were dessert, were beautiful and delicious (once they came unfrozen.)

After the plates were removed, and before the speaking began, a number of most attractive young ladies in evening gowns, went down the tables handing souvenirs to each of the ladies. Each plate was marked in the beginning with a gift of candy and cigarettes, but as if that was not sufficient, these young ladies presented each A.I.S. lady with a gift of perfume, and a circular handkerchief bearing scenes of Sioux City upon the surface. While the ladies were "ohhing" and "ahhing" over these, President Rogers arose and, upon their behalf, thanked the local committee and the city of Sioux City.

In quick order those at the speakers table were called upon for a few remarks, appropriate to their responsibilities to the Society. They included President and Mrs. Guy Rogers, Mr. Geddes Douglas, Dr. L. F. Randolph, Harold Knowlton, Carl Schirmer, Dr. Matthew C.

Right: Sedum lined walks separate wide iris beds in the Whiting garden in Mapleton, Iowa. The now famous "Blue Rhythm Row" is at the extreme right of the beds shown in this picture.



Visiting Irisarians above (from left to right) are: Clarence Connell, Nashville, Tenn.; Everett Long, Boulder, Colo.; Carl Carpenter, Owensboro, Ky.; Judge Guy Rogers, Pres. American Iris Society, Wichita Falls, Texas; Alexander Maxwell, Yakima, Washington; Jesse E. Wills and Geddes Douglas, Nashville, Tenn.; Miss Willie Burge, Austin, Texas and Carl Schirmer, St. Joseph, Mo.

--Caldwell Photo

Riddle, Jesse Wills, and Mrs. Ralph E. Ricker.

Then President Rogers called upon Sam Caldwell to present the principal speaker of the evening, Mr. Harry Randall, President of the Iris Society (England).

Mr. Randall came to the United States on business this spring and timed his visit so that he might attend the Sioux City meeting as well as take care of his business matters, but, as everyone knows, the weather would not co-operate, and Mr. Randall was forced to return to England a week before the meeting as a result of the postponement of the meeting dates. He did, however, visit Nashville during the blooming season there, and the Nashville members arranged for President Rogers to fly over from Wichita Falls to visit with Mr. Randall. Thereafter, he was taken on a tour of iris gardens through Memphis, Little Rock, and several Mississippi towns before his reluctant departure. During this portion of his visit, he found time to record most of the talk which he had intended to present at Sioux City, and it was his recording that Sam Caldwell played for us.

The recording was clear, and it sounded as though the speaker were in the room talking over a public address system. The applause was spontaneous, and many persons involuntarily turned to look for the speaker. It was most considerate of Mr. Randall, in this manner to avoid depriving us of his presence and the speech was enjoyed by everyone.

Following Mr. Randall's address President Rogers announced that the meeting would formally close with the visit to Mrs. Charles Whiting's garden on Sunday, and that the banquet meeting was adjourned.

Mapleton is a snug little city amidst rounded hills—quiet and clean—and about forty miles southeast of Sioux City. We reached it shortly after eleven Sunday morning and found Mrs. Whiting's without difficulty.

Seldom has it been our pleasure to see so many fine iris so well grown and so well displayed. And, with Mrs. Whiting's typical generosity, the best locations were devoted to the irises of other people. However, one thing caught all eyes—a hundred foot border of Blue Rhythm—one hundred and sixteen plants and every one with a stalk—a strip of blue across the entire back of the yard. There, without question, was the winner of the President's cup. So it turned out. Of approximately one hundred and eighty votes cast, about one hundred and ten were for that beautiful blue iris—and very properly so.

After lunch at a nearby church and after the announcement of the President's cup contest the meeting closed.

There have been five Annual Meetings of the Society since the war's end. Each has had its own individuality, its own local "flavor" and no two have been alike. The characteristic which seemed to set

this year's meeting apart was the open generosity of our hosts and hostesses, and the warmth and ease of friendship of the members attending. Everyone was aware of the many upsets caused by the change of dates and everyone was prepared for all the annoyances which usually go with such a delay. So, partly because of the careful planning which went into the meeting, and partly because of the spirit of friendliness and tolerance exhibited by all who attended, the meeting went off smoothly from start to finish. Our thanks to region 21 and the local committees!

What iris looked good? Oh look, I always try to avoid climbing out on limbs like that! One man's Dykes contender is another man's "dog."

At Sass' these things caught my eye—42-64 and 49-156, and 50-181.

At Tompkins: 50-90 (a red seedling), his Ebony Echo, and Mrs. Sapp's Love Story. Also Mr. Tompkins' Surrender and a seedling 49-133.

At Emery's garden— a real find! A seedling 49-86, which is the size and shape of Dreamcastle and of the same tones, but a good three or four shades darker. To me it looked like a real beauty.

At Snyder's, two excellent seedlings. Snyder's U-45 (a red) and his 15-46, a tobacco-on-yellow plicata.

At Mrs. Whiting's—her Gold Sovereign and Flora Whiting. Also Corporal Mary, Helen McKenzie, Cardinal's Robe, Leading Lady, Tosca, Rich Raiment, and Amandine. And, of course Blue Rhythm.

Any such listing of varieties is obviously unfair to things not in bloom at the moment, things blooming poorly on first year plants, and things simply overlooked in the rush. At best it is strictly a personal reaction.

At two o'clock on Sunday afternoon, President Rogers announced the winner of the President's cup contest and declared the meeting adjourned until next spring at Shreveport.

Oh yes—the meeting began on a "laugh"—and ended on one—the President's cup could not be found high or low!

Perhaps Mrs. Whiting has it by now.

JAPANESE IRIS

New Varieties, New strain of
American origination

WRITE FOR LIST

W. A. PAYNE

R. R. 3, Terre Haute, Ind.

L A K E S I D E

IRIS GARDENS

Mary V. Torgerson

13714 Corliss Ave. Seattle 33, Wash.

A New Strain of Japanese Iris

WALTER E. BUSS (Indiana)

It is a sad commentary on human relations, that the friends of today so often become the enemies of tomorrow. Perhaps, instead of saying human relations, I should say political relations, because the so-called common people would probably get along all right if it were not for their ambitious and power-mad political leaders.

Many years before World War II, and until the military faction became so arrogant and obnoxious in Japan, the American public entertained a marked appreciation for the qualities of the interesting little people of that oddly different nation. We respected their industry, their cleanliness, their adaptability and their tireless and patient application to tedious and painstaking tasks. And because imitation is the sincerest form of flattery, we warmed to the apparent desire of these imitative people to adopt various of our customs, our dress, our religions and even our national sport of baseball.

One might have thought, at this period of mutual admiration, that we Americans would also have found some Japanese customs worthy of imitation, and I seem to recall that our women folk did go through a period when the kimono was a popular house dress, but so far as I know, no one sawed the legs off their dining room table so they could enjoy the comfort of sitting cross-legged on the floor for their meals. No one switched from beer to sake or quit their church to take up Shintoism, or seriously took on any of the other ways of life common to the Japanese. It seems that the Japanese mode of life just didn't appeal to us Westerners. (I do think we could at least have adopted the custom of removing our shoes in the front hall. Sometimes it seems to me that only the backward peoples value comfort.)

So it was quite a surprise to me when I found Mr. W. A. Payne. Not that Mr. Payne changed his American mode of life any, so far as I know, but in at least one respect, and this one important to iris fanciers, Mr. Payne has, for many years, patiently, ploddingly, and persistently emulated that small coterie of Japanese hybridists whose gift to the world was the astonishingly spectacular attraction of the Japanese iris. This has been his hobby and his recreation for eighteen years. How he has succeeded is the subject of this report.

Mr. Payne's activities in the field of Japanese iris were not entirely unknown to me because visitors to Edenwald Gardens would sometimes ask us if we had seen his Japs. No, we never had. The average garden visitor is not very critical and things that impress him might not be exciting to us. That's the trouble with being a commercial dealer, one becomes more or less cynical. Although we have not featured Japanese iris in our catalog, we have grown a collection of named varieties for a number of years and also a bunch of seedlings that a former prominent dealer palmed off on us for named varieties. Even the most ordinary of these bring exclamations from the average visitor; that is why reference to Payne's Japanese seedlings by the average visitor never had the effect of rousing us to investigate. I greatly regret this omission now that I have seen the scope of his work and the success of his efforts.

But finally, on the hot Sunday afternoon of June 25th, at the request of our Editor, Geddes Douglas, Ede and I set forth, we hope with an open tho skeptical mind, to search out this garden and find out if the man really had something good. An hour's drive on U. S. 41 brought us to the place, located less than four miles south of the city limits of Terre Haute, on the west side of the road. A sign over the entrance apprised us that this was Payne's Landscape Nursery.

After parking our car near the buildings we had barely entered the tree-bordered garden through a broad lane flanked on the north by a wall of evergreens, when intimations of the quality of bloom we were to see became apparent in the very first bed of unselected seedlings we encountered and I remarked to Ede to make herself as comfortable as possible in the heat, because we were going to stay awhile. Our progress among the beds, which must have contained several thousand seedlings, was marked by a series of pauses, when some especially appealing flower would catch our eye and during this meandering we encountered Mrs. Payne. Before leaving the garden later in the afternoon, we gathered the impression that this estimable little lady had probably been her husband's strong right arm in more than one of life's battles. During the afternoon, her special purpose was to fend casual visitors away from Mr. Payne so that we could carry on our interview without unnecessary interruption.

We found Mr. Payne among the selected seedlings of former years, some of which were to be released in the fall. The very first of these beauties that we stopped to appraise was No. 278, a medium large ruffled double flower of rosy lavender coloring with an all-over stippling of a deeper shade. It was nicely branched, four feet tall, and possessed individuality and refinement of a high order. The name Confetti Shower was proposed but not yet registered. Next there was No. 336, a boldly sized, deep blue almost indigo in tone, single with coarse white

veins radiating out from the center to the very edges of the crinkly-crisp flaring falls and further high-lighted by the milk-white style branches.

From this beginning, I wandered on from flower to flower, becoming more confused by the minute, like a bumble bee buzzing from blossom to blossom, undecided as to which brand of nectar was the more inviting. Here was No. 298, which Mr. Payne regards as one of his top three. This was an immense "red" single with round falls four inches across, with a large white area around the yellow spear and coarse white veins radiating into the broad red border. The plant was four feet tall.

Mr. Payne wants veined varieties to have bold coarse veins so that their effect is pronounced, and the presence of the coarse veining in this iris and the deep blue one effectively demonstrated the striking attraction of this feature.

I'm always overcome with a sense of futility when I try to describe the beauties of a flower. Words are so inadequate to convey some of the subtleties of color, form, or poise. One finds oneself repeating the same adjectives for flowers of totally different individuality. How, for instance, would one describe adequately the fascinating ruffled form of the solid violet double Cobra Dancer, his best according to Mr. Payne, or the voluminous beauty of the purple triple No. 153, a bloom which has nine petals instead of the six that constitutes a double.

If there are readers who are unfamiliar with Japanese iris, it might be explained that in a single flower, the falls are the predominant parts and often reach immense proportions. These sometimes take a hanging position for a portion of their length, sometimes they arch gracefully and again they may flare almost horizontally. The three standards are always present but they may be so small and unobtrusive as to be altogether insignificant. Again, even tho small, they may lend considerable character to the flower. Such a one was present here, a large flaring white single with small rose-colored, erect standards forming a pleasing colored center for the bold white falls. This particular single has proved a good parent and one of its seedlings was an all white single of large size, durable substance, and horizontally flaring form. Speaking of substance, it is really remarkable how these Japs can endure heat and sun.

In the double form, the standards develop size almost equal to that of the falls and they take on a recumbent position overlapping the falls and forming a flat-topped surface broken only by the style branches. The latter also quite frequently constitute an important feature of the form and attraction of a flower, especially when they, themselves, take on a doubling to form a ramrod-stiff tuft of petals in the flower's center, with ruffled and serrated crest atop the whole.

This is the type of Japanese iris which seems to have the greatest

appeal for me—the “flying saucer” form of ruffled double with a mass of these stiffly erect and often deep-colored crested styles in the middle. The older Warai-Hotei, of this type, has always been a favorite of mine. So I appreciated the several glorified variations of this type in this garden. Here was Flying Tiger, a wavy double with pale blue ground color with dark blue veins running through it from a focal point of stiff dark blue styles. Hardly had I recorded a brief description of this choice item than I passed on to an even stiffer and more crinkled flower of similar coloring, named Tossing Seas.

You will note Mr. Payne’s choice of symbolic names. He thinks it one of the traditions that go along with the flower. I’m sure he feels a great respect, as do I, for these early Japanese hybridists who brought about this fabulous development from a lowly species to these gorgeous massive blooms, and yet there are gardening writers and even nurserymen who seem to think that the species name “kaempferi” is a proper designation for these horticultural varieties that are a hundred years advanced beyond the species. This misnomer gained currency during the war when the mentally thin-skinned thought it un-American to use the word “Japanese” with any creditable connotations. (I’m not sure that there is definite proof that the species kaempferi was the only one involved in their development.)

Among the solid colors Mr. Payne is also striving for true pink and has the closest approach to it that I have seen in Japanese iris. The usual pink flower has a lot of blue in its makeup but this particular seedling was noticeably deficient in blue influence. In ordinary pinks there is a distinctly blue halo surrounding the yellow spear but in this seedling not only was this blue halo entirely absent but not even a white outline was present.

Another especially noteworthy flower, in a garden abundantly supplied with noteworthy flowers, was an immense blush pink of a color pattern that I dubbed “apple-blossom” for easy remembering. This was a mountain of petals, not stiffly horizontal, like some of those I have described, but a cascading of petals that one had to lift up with both hands to get the full effect of the size spread of this delicately colored wedding gown affair.

There were many others that were beautiful and interesting that I took no notes on. Taking notes is a wearisome chore for me and just looking is lots more fun. Anyhow, it would weary you to read a lot of descriptions. Two that were slated for introduction this year were Joyous Cavalier (No. 131) and Silvercrest (No. 222). Altho I do not recall these, I am willing to concede their merit, because I learned that Mr. Payne is a hybridist who does not bestow his approval lightly. This is rather clearly evidenced by the fact that these are his first introductions in eighteen years of hybridizing. He obtained

Flaring and ruffled, seedling Payne 336 is to be introduced in 1951. It is a bright blue single, which adds to its unusualness as blues are very scarce in Japanese varieties.



Typical of the graceful, hanging "doubles" is seedling Payne 324, slated for introduction at a later date.

Large, ruffled, this striking red-bordered seedling is No. 298. It is a single with wide falls.



SILVERCREST, is a Payne introduction of 1950. It is a light colored flower with styles of deep mulberry.



Low growing JOYOUS CAVALIER is a white with a wide border of royal purple.



CONFETTI SHOWER is a very large six petal flower of rose stippled with violet. A blue halo encircles the signal patch. The widely branched stems are 50 inches tall.



his first Japanese iris from Franklin Mead, another Hoosier, since deceased but at that time very active and prominent in several horticultural fields. He lived at Fort Wayne, Indiana, and to those of us who admire also the *Hemerocallis*, he is probably best remembered as the originator of *Hyperon*. About twenty-five years ago, Mr. Mead imported a collection of Japanese iris from a nursery in Yokahama, some of the famed varieties of their day, varieties which are not to be sneezed at even today. From him, Mr. Payne obtained *Aifukurin* (Blue Border), *Kongo-San*, a blue-purple double *Iso-No-Nami* (Waves at Seaside) soft blue double with silvery veins, *Nishiki-Yama* (Brocade Mountain), *Osamaru-Miyo*, white with blue veins, *Sakuragawa* (Cherry River), white-centered pink, *Shira-Nami* (White Wave) *Hinode-Sakura* (Cherry Blossoms at Sunrise), and *Rishono*, red purple.

Presumably, Mr. Payne, in the landscape nursery business for thirty years, worked with horticultural subjects all through the week, and like the proverbial postman, who enjoyed a long walk on his holiday, spent his Sundays and spare time hybridizing Japanese iris. Now he has retired from the nursery business and has more time for his avocation. The seedlings which he has selected for future introduction will, he feels, compare favorably with famous Japanese strains in commerce. After seeing them, I am confident that this superior American strain will receive highest acclaim and we Hoosiers of Region Six may well take pride in numbering him among our several notable hybridists.

For one reason or another, Japanese irises are not commonly grown, even by members of the Society. Since their blooming season follows that of the bearded types, the Siberians, the Louisianas, and the *Spurias*, one would think that they would be a "natural" for iris fanciers. While it is true that they cannot be grown successfully with the same ease and indifference to soil conditions possible with the bearded types, still there is nothing so difficult about their culture if a few simple requirements are met.

Perhaps the most common reason for failure is the average gardener's tendency to spread lime and bone-meal about. Japanese irises will not tolerate lime. They require a soil of high organic content on the acid side of neutral, probably a pH of 5½ to 6½. Many soils are naturally of this type unless they have been treated with lime. Also, many flowering plants and fruits prefer this slightly acid environment. Too many people regard lime as an essential element in their gardening. It is, if they want to grow legumes like clover, alfalfa, peas, beans, or certain other plants such as delphiniums, clematis, lilacs, etc., that prefer it. Lime should not be used indiscriminately but with knowledge and direction. And, I might say, with great discretion. Bone has a high lime content and although bone-meal rates high in phosphorous content, this is in an insoluble form which becomes available to plants

only after years of action of the soil acids upon it. It is freely recommended by writers on garden subjects, because it is "safe." It is safe because it is inert. Manure is the best fertilizer for Japanese iris but is largely unobtainable except at prohibitive cost. If chemical fertilizers are used, those composed of sulphate of ammonia, acid phosphate, and potash are to be preferred.

Moisture must be plentiful during the pre-bloom period. This means from the time growth begins in the spring until blooming time. It does not mean that they should be planted in a water-logged spot. A mulch of leaves or sawdust is advantageous. We use sawdust freely. If it adds acidity to the soil, as some people think but which no one seems to have proved, so much the better. Only don't mingle the sawdust with the soil supporting the roots unless there is an abundance of nitrogen present because the digestion of so much cellulose material robs the nitrogen from the plants.

Japanese iris are not for the impatient gardener. They cannot be socked in the ground in early spring with the expectation of a lovely display of bloom by the time the garden club makes its tour in June. Nor will planting the previous fall produce such a result. However, planted in late August or early September, they should yield nice blooms by the time June rolls around the second time. They are worth waiting for.

The color range is definitely more limited than among bearded iris. Besides white, the colors will range from various tones of blue to purplish red. There are no yellows, although all are delightfully earmarked with a yellow "spear" or signal patch just beneath the style arms. The color range is wonderfully augmented by the various patterns in which the color is applied. For simplicity, we may group these in three classifications—

1. Solid colors.
2. Solid colors varied with darker or lighter center area or veins, or both.
3. Mottled, marbled, or stippled.

Because of the awkwardness of Japanese names resulting in the disposition on the part of some dealers in the past to rename them with Anglicized names; because of the indiscriminate and possibly fraudulent distribution of commonplace seedlings which may have had some superficial resemblance to that of the named varieties which they were represented to be; because of carelessness or ignorance on the part of some dealers in distributing untrue varieties—all these and other causes have discouraged dealer interest in these plants. In addition, their propagation is slower and more difficult than that of bearded iris. As with bearded iris, these plants should be purchased from a specialist and not from a general nursery.



A view of Mr. W. A. Payne's Japanese iris seedling patch

—C. A. Swearengen photo

It is to be hoped that interest in Japanese iris will experience a revival and that, with attention to the few simple cultural requirements these lovely garden subjects will grace our gardens of the future in ever-increasing numbers.

Iris Prone and Iris Progress

JOHN DOLMAN, JR. (Pennsylvania)

In Region One, Two and Three the 1950 season was one of weak stems. Never have I seen so many bearded irises lying prostrate, or ingloriously staked up with muddy or distorted flowers. I used twice as many stakes as in 1949 and still did not have enough. All over the northeast it was the same way. Visiting Harold Knowlton's home at Auburndale in his absence, I found that his gardener had used the last stake, and had to watch helplessly while scores of lovely stalks loaded with perfect flowers bent over and lay down in weariness. At Lowell, Mrs. Nesmith had to cut off several hundred prostrate stalks to make her garden presentable when the New England members gathered for their annual visit. Only Mr. Buttrick seemed able to cope with the situation, and he told me that it was because he had a local source of supply for stakes and had sent out a hurry call for more.

We are used to this picture in Swathmore, with our slimy clay soil, our humidity, our heavy thunder storms and gusty winds, but it was the first time I had seen it in New England, where substance is usually better, both in flower and in stem. Nevertheless, the difference is only comparative, for I am afraid the use of stakes to support highly rated irises is very much on the increase, even in New England. Back in 1937 the late Dr. Everett warned us that in breeding for color, size and novelty at the expense of substance we were doing the iris a disservice as a garden flower. In the last few years there has been some improvement in flower substance, but this year's observation has made me wonder whether our hybridizers have spent the first half of the Twentieth Century breeding for weaker and weaker stems. It is especially painful to note that many of the worst offenders are the most highly rated newer varieties. Ola Kala, our top ranker, was the floppiest of all; hardly one stalk of it was standing unstaked in any garden I saw, and many that were staked had broken or bent over above the point of support. Wabash, Ormohr, Gypsy, Indiana Night, Blue Shimmer, China Maid, Rocket, Chamois, and a host of others in the Symposium list were doing likewise. The lovely Suzette, so delicately beautiful on its slender well-branched stems in favorable weather, was draped all over the stakes in its originator's garden, to his intense distress when he returned from Sioux City. Even Blue Rhythm, ordinarily quite reliable, had a few stalks lean over, both in my garden and in New England, though they took hold again after being staked for a day or two.

On the other hand, there were some less highly rated irises that stood up gallantly despite the weather. One of the best was Raejean,

clean and firm wherever I saw it, without a sign of a stake. Another good yellow was *Admiration*, which always seems to stand up (if you can get it to bloom); it was unstaked in five gardens, including my own. Of the Symposium whites, the two that were standing up best were *Sharkskin* and *Mt. Hermon*. The latter (which seemed to me a very ordinary white when I first saw it several years ago) has proved to be most reliable; the flowers stand wind and rain and are well spaced on stalks that stand up without staking, and it looked excellent in New England gardens this year. *Blizzard* was also doing well, though chiefly on one-year divisions with shorter stalks. Of the *Klein-sorge* blends *Cascade Splendor* was the one that seemed best able to sustain its height with strong stems; some of them do not grow very tall anyhow in the east. The *McKee* blends are taller, but *Miogem* and *Augusta* both stood up well—better in my garden than their parent *Miobelle*, which is inclined to range a little wildly. Among the blues, *Chivalry* and *Helen McGregor* seemed to need little staking; *Bandmaster* and *Great Lakes* needed some. The reds, being mostly short, gave less trouble, except for *Cheerio* and its descendants. In Region Three *Cheerio* lies down every year, no matter what the season is like—as do *Elmohr*, *California Gold*, *Matula*, *Radiant*, *Sierra Blue*, *Ming Yellow*, *Goldbeater*, *China Maid*, and many others.

Perhaps it is a good thing to have a season like this once every so often just to remind our breeders to be more careful. It would not be fair, of course, to condemn every variety of which a few stems lay down in what was, after all, an exceptionally trying year. But the complete debacle of some leading irises should at least make us watch them more critically and be more careful about using them as parents. It should also make us a little more respectful of those varieties—sometimes less highly advertised—which are able to perform well under adverse conditions.

There was considerable difference of opinion as to the cause of prostrate iris in 1950; no doubt there were several causes in combination. In Pennsylvania we had an open winter, a very late spring, hurried growth, and during the blooming season a drenching rain followed by intense heat and humidity. In New England there had been a prolonged and severe drought in 1949, giving the iris plants a late start and poor rooting; the winter was open and the spring very late. Just before the stalks went down there were some scattered showers and windstorms. West of Wellesley the iris lovers blamed the rain; north of Boston they blamed the wind. But in Auburndale, where the devastation was worst, there was no wind to speak of, and only a slight shower at Midnight of June 10, and most of the stalks had already collapsed in the afternoon sun. Whether the underlying causes went back to last summer's drought, or to the quick growth of a late

season, the fact was simply that many stalks were soft and flabby, and could not bear the weight of the flowers in either heat, wind or rain.

We speak rather loosely of weak stems, but it is clear that not all stem damage is of the same nature. A stem may break in the wind because it is brittle, but I saw little of that this year. A brittle side branch may break off under the weight of a wet flower; or a soft side branch may bend down under a similar weight and then peel itself loose from the main stem. I saw plenty of that in 1950, even more of it on plants that were staked than on those allowed to fall over and rest in the mud (again it was *Ola Kala* that suffered most, losing practically all of its side branches where rains were heavy). A very strong stem may go down in wet weather because the rhizome is inadequately rooted and turns over in the mud; If caught in time, this sort of damage can be more successfully controlled with a stake than most types. A strong stem with large flowers may also go down under the weight of rain because its initial position is not vertical; some otherwise good varieties have a bad habit of blooming around the edge of the clump, with the stems slanting outward at a wide V-angle, and it takes strong stems and roots indeed to maintain such a position in heavy rain. But the worst type of stem damage, and the most evident this year, is that which occurs when the stem itself is just too soft in substance to hold up when heat or wind is causing rapid evaporation. The iris just bows its head in shame and sinks to the ground, and if you stake it, it droops over the top of the stake like a wet rag.

In choosing parents and selecting seedlings our breeders should keep working for broad, well-rooted rhizomes; vertical stalks, stalks thick and strong at the base but neither soft nor brittle, and elastic enough to spring back into place if bent over for a moment; and side branches strong enough to sustain the flowers even when water-soaked. Whether the branching is low or high, short or long, is not half so important as having branches still there after wind, rain, or heat. The bearded iris must bloom in the late spring, and in most regions we have rain, wind, or heat, and sometimes all three, at that season of the year, and are going to go right on having them. If it is possible to get strong stems without "clubbiness," well and good; but it is better to have clubby stems holding crisp, firm flowers in all kinds of weather than to have a whole garden full of wreckage after the first rain or the first hot day of the blooming season.

But enough of the weak stems. Not all stems were weak, even in 1950, and in other respects it was not altogether a bad season in the north-east. Actually, there was less rain and less wind than usual, and the flowers with good stems had more undamaged flowers than in many seasons. There were some blind crowns from winter damage—more

in Region Three than in Region One. But there were some fine displays of the best varieties, old, new, and very new.

In the Philadelphia region the winter damage was fairly heavy, especially to new plantings and new seedlings. We had summer weather in January, followed by sustained cold without a snow blanket. Plants tried to grow too soon and then were frozen back. As a result we had relatively few new seedlings, and little bloom on newly planted varieties. I did get good stalks on new plants of Fairday, San Antone, Juliet, Confetti, Bryce Canyon, Blizzard, Distance, Lady Mohr, Jonquil, and Purple Moor, and stunted ones on General Patton, Red Torch, Staten Island, Pensive and Tobacco Road; but I had only blind rhizomes on new plants of Pinnacle, Orange Gem, Melodist, Solid Mahogany, El Paso, Minuet, Oklahoma, Esquire, and Marine Antoinette. Even established plants lost many crown buds; Cherie, New Snow, Gulf Stream, Los Angeles, and Cloud Castle lost all but one each, while Snow Carnival, Lady Boscawen, Pot O'Gold, Down East, and Goldbeater had no bloom at all. Some varieties lost their crown buds but bloomed on side shoots. Blue Shimmer had three blind crowns but still sent up two side stalks, and Black Forest, after losing all three of its crowns, astonished me by sending up eight good stalks from last fall's increases. The New Hampshire irises with California ancestry seem to suffer most in years like this. They like a long hard winter with deep snow, and bloom well after such a winter, but they cannot stand premature spring weather followed by deep frost.

Blue Rhythm again dominated my garden, with three big clumps and a long season of bloom. Except for the two stalks that required staking, its performance was wonderful. As in other years, it was good wherever I saw it, and it is proving itself one of the best performers in all sorts of soil and weather. Other varieties that performed exceptionally well for me include Miogem, Augusta, Mulberry Rose, Golden Eagle, Katherine Fay, Miss California, Helen McGregor, Amandine, Raejean, Sable, Russet Wings, Minnie Colquitt and Gloriele, and of course a few of my own irises, which naturally like their home soil and climate.

The most striking display of new iris I saw this season was that of Kenneth Smith, on Staten Island. He has added to his already large garden a new strip of land, once a vegetable garden, and has remade the soil with large quantities of hyper-humus and landscaped it to display his newest seedlings to great advantage. One-year growth was phenomenal, and whether because of the soil, or the cool misty mornings, or the fact that I was there on June 9 at the peak of bloom and before the hot spell that melted them down in New England, Mr. Smith at least had no stems down and few staked.

And what irises he had in that fresh soil! Keene Valley—said to be finer but of slower growth than its sister Blue Valley—had made a

large clump of tall stalks from three rhizomes planted in 1949. It looked like a three-year clump. Judged as I saw it there, it is one of the best light blues so far. It is also a good parent, and from a fortunate cross of Keene Valley x Jane Phillips, Mr. Smith had the finest batch of blue seedlings I have ever seen, ranging from a deep medium blue to blue white. There must have been twenty of them. One of the loveliest, selected and named last year, was Lady Ilse. It is almost as pale as Helen McGregor, but different in form—less compact, more open in its flare, more like some of the Graves seedlings which I saw a week later at Hopkinton. The others, under '49 and '50 numbers, were bewildering in their minor variations, but consistently high in quality. Nowhere else but in Dr. Grave's garden have I seen such a wealth of good blues, and I doubt whether even Dr. Graves has ever had so many good ones from one cross.

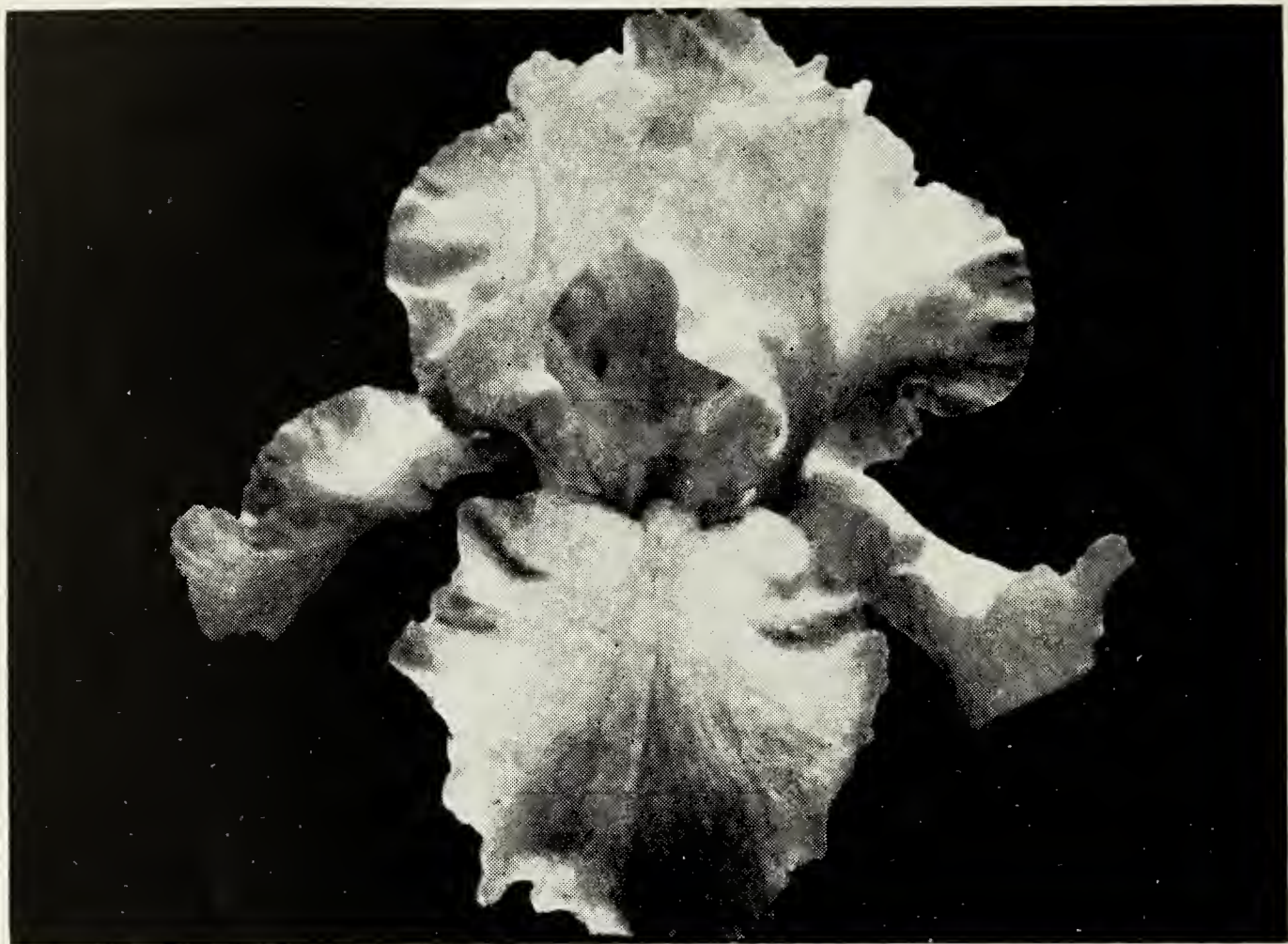
There were other colors, too. There were some fine yellows, and one of them, registered as Golden Hawk, and growing in that same new soil, was a show in itself. There were some tangerine-bearded pinks, the most unusual ones in the darker shades approaching rose purple. There were some reddish blends, stemming, I suspect, from Ticonderoga, Roanoke, and others in his earlier cross of Matula x Orange Glow. There were some tall, creamy bitones representing an attempt to compete in the quest for yellow amoenas. But the outstanding iris in the whole garden was his 1950 introduction, Helen Collingwood.

Helen Collingwood is not quite a true amoenas, for the standards are not quite white. But they are very light, and the falls are so smooth and dark that the effect is one of much stronger contrast than is usual in the neglecta class. The color of the falls is a little more reddish than in most neglectas; the hafts are smooth, and there is little if any edging to detract from the clean effect. The flowers are a little rounder than those of Wabash, but have enough flare to give them quality, and they are so large and so well carried on tall well-branched stems that they create a new standard in near-amoenas—or will if the growth elsewhere approaches that in Kenneth Smith's new garden.

In New England my first stop was at the McKee garden in Worcester. I saw it twice, June 10 and 13. Because of the higher altitude, the season here is always a little later than in the Boston suburbs, and Mr. McKee's best things were not as much past their peak as those at Newton, or Auburndale, or even Lowell.

It was a pleasure to find Mr. McKee recuperating nicely from his recent illness, and able to enjoy his garden and his new seedlings with real zest.

Among the well-established newer originations, Jerico, Fairday and Augusta were the high points of the display. Annabet, a seedling of Fairday which I had not seen before, was very charming, and



Exquisitely ruffled, LADY ILSE, is a self of soft powder-blue.

—Smith photo

looked as if it might be useful in breeding for yellow amoenas. Mayan Gold, a 1949 seedling, was taller than last year, and just as rich in color, but not much larger. Orange Gem, which was excellent in '47, '48 and '49, unfortunately showed weak standards this year, both at Worcester and elsewhere; I hope the aberration is temporary, for when right it is a gorgeous iris.

Of the new McKee seedlings, a dozen were promising, and three outstanding. There was a smooth red (No. 5026), very much taller than most reds. There was a tall, flaring orange yellow with white patches on the falls. There was a flaring orange self (tentatively named Temple, after the Temple orange). There was an interesting melon-toned cream (No. 5010) with peach-colored beard. But the three that impressed me most were a fine, ruffled, flaring blue, now called Ponder; a huge, ruffled, flaring white (No. 5020) of tremendous substance; and a Fairday derivative (No. 5015) which was quite the most startling color break seen this year. It was a real bicolor, very suggestive of Lady Mohr, though entirely without Onco blood, veining, or signal patch. It could not be called an amoena, since the standards were not white; but they were a pale, slightly pinkish lavender, and the falls were warm olive buff, with a beard almost the same color. There was not a trace of the fall color in the standards, or vice versa, and

Mr. McKee hopes this will make it valuable in breeding yellow amoenas. But it is also an interesting and distinguished iris in itself, not very large as yet, but well branched, well formed, flaring, ruffled and of tough substance.

In the afternoon of June 10 I arrived at Auburndale, to find the Knowlton garden past its peak and the hot sun taking a heavy toll. Mr. and Mrs. Knowlton were away at the Sioux City meeting, but he had asked me to do some crossing for him, and I went right to work in the effort to get ahead of the weather man.

Here I had my first view of Pinnacle, which had not bloomed for me, and got a good deal of satisfaction out of crossing it both ways for Mr. Knowlton. He had a row of seedlings (from a cross involving Bush Kingsford) that showed a strong tendency toward yellow amoena coloring, and I crossed them liberally with Pinnacle. I saw Pinnacle in three New England gardens, and like it very much. As in my own garden, it had made good increase, and looked like a strong grower. Stems were not full height in proportion to flower size, but they were well branched, and will no doubt go higher in the second year. The flowers were large, and of fair form and substance, though not quite as airy as in their cover-girl picture, and not quite as free of veining. Pinnacle is not the ultimate of perfection, but it is a good iris, and quite the nearest thing to a clean yellow amoena yet introduced. It will surely be popular, and its vigorous increase should make it quickly available to iris lovers everywhere.

Mr. Knowlton had a fine crop of 1950 seedlings, liberally hung with tags which his friends had put there in his absence. I added quite a few myself. There were several fine dark purples in the near black range, many deep yellows from Goldbeater and Ola Kala, and many huge blends involving Miobelle. The ones that interested me most were the approaches to yellow amoena already mentioned. The deep yellows had magnificent color, ranging from gold to deep orange; but neither Goldbeater nor Ola Kala seems to transmit very good form to its seedlings, especially in respect to the shape of the falls. I noted many seedlings as worthy of further study, but saw no startling color breaks.

I did see one older seedling (No. 47-13-C) which was very striking in color, and not bad in form; it was a deep rose blend that suggested the Miogem coloring, but it was smoother and more of a self. There was a nice medium blue seedling from Dr. Fraim (No. 7-7-A), very smooth and refined. Mr. Knowlton's Quechee was excellent, a glowing red even in the shade. Kezar Lake was doing well, and must be counted among the better blues. And I quite fell in love with Chiquita, which is a ruffled version of Amigo and a great advance on that old favorite; I think Chiquita will be very popular when available.

Over a five-day period I saw a good deal of Mr. Knowlton's garden,

and despite the waning season and the weather damage, I enjoyed his fine collection very much indeed. Too often one visits a garden for an hour on one day of the year and then presumes to judge the iris he has seen. Yet we know that in our own gardens an iris can change greatly over night, or even between morning and afternoon. We have to live with an iris to know it well, and should be careful not to make snap judgments based upon the accident of time.

I made three visits on different days to Mrs. Lowry's garden at Newton and saw many fine things, including her Autumn Brown, which had a well-deserved H.C. last year (under the incorrect name of Autumn Bloom). It is suggestive of Bryce Canyon or Cordovan, but has more ruffling and flare, and possibly better substance. Mrs. Lowry had several interesting new seedlings, but what interested me most was the steady performance of her older originations, especially Mt. Hermon, which has a long season and pays no attention to bad weather. Syringa was doing well, too, as was the newer Violet Harmony. I think we can be sure that when Mrs. Lowry introduces an iris, it is a consistent performer, at least in New England. Some may remember how those attending the A.I.S. meeting in 1946 raved over her light brown Aberdeen, and voted it an H.C.; but although it has given her some fine seedlings (including Autumn Brown) she has held it back because it has not lived up to her high standard of performance. One could wish that all our hybridizers were equally cautious.

Mrs. Corey's Bay State was performing excellently for Mrs. Lowry, as it was at Worcester, Lowell and Concord (I did not get to Reading this year.); this is another iris you have to see in many gardens and different seasons to appreciate its full worth.

New England visiting dates, postponed because of the late season, had been postponed too much, and the schedule badly broken up; most of the members ignored it to make their visits when they could. But the Sunday gathering at Lowell on June 11 was fairly well attended—though saddened by the absence of Tom Nesmith, whose genial personality was sorely missed.

The garden was a little past peak, but in surprisingly good shape considering the difficult year Mrs. Nesmith had been through. Helen McGregor, Amandine, Bay State and Bronze Brocade were in fine display, along with hundreds of others. Seafarer was somewhat short on small divisions, but beautiful in color and form. Among the newer things attracting attention were Pinnacle, Jane Phillips, Quechee, Black Satin, Hurricane, Plum Tart (anathema to those who like smooth falls but a great favorite with the photographers), Tally Ho and especially a fine stalk of Mrs. Corey's new white, Jack Frost. Many novelties had gone by.

Among the 1950 seedlings were many promising pinks, showing a

gain in height and branching over those of '48 and '49, and some improvement in color or form (though seldom both at once). The best ones were chiefly on the warmer side, apricot or salmon rather than pink, and most of them were derived from Beau Gay. There were none to compare with Hall's Melody Lane in size and color, but several of much better form and substance.

The event of the day was the arrival of Ed Watkins, able assistant of Dr. Graves, who, despite several years of further physical setbacks, was making his first visit to Massachusetts gardens. Locomotion is hard for him, but his unconquerable spirit and never-failing humor endear him to everybody, and his knowledge and love of iris make him one of the most highly-respected judges in the A.I.S. He not only saw every flower in the Nesmith garden, but went along in the afternoon to the Buttrick home in Concord, propelled himself on his two famous canes up and down the difficult paths, and raved with sparkling eyes over the beauty of the place. Mrs. Graves and her son, John, were also at Lowell, and brought the good news that Dr. Graves was back at home after many months of hospitalization, and would be able to greet his iris visitors on the following Thursday.

At the Buttrick garden the newest and finest irises were perfectly displayed, as usual, though a little past peak. Mr. Buttrick said there was nothing worth seeing in his seedling patch, but those of us who went down there anyhow did not agree with him. There were many seedlings of very high quality, with the emphasis, as usual, on blues and whites. I noted a slightly greenish white (No. 46-94-A) which seemed even better than the similar one (No. 46-11) which was voted an H.C. in 1949. There was a lovely ruffled blue, a seedling of Helen McGregor, slightly deeper than its parent and very blue in the sunshine on a day when Helen was bleaching almost white. There was a pale pink with broad falls and flaring form which many judges thought quite outstanding, in form and substance as well as color. There was also a block of tangerine-bearded pinks from a Courtier cross, no one of which impressed Mr. Buttrick as good enough to name, but nearly all of which had more depth of color and more garden value than any comparable block of pink seedlings I have seen—except, of course, in Mr. Cooley's color plate of the Hall seedlings.

At Hopkinton, N.H., on the following Thursday, we saw the lovely hillside of iris-filled terraces at the Graves farm. Dr. Graves was able to eat lunch with us on the lawn, sitting in his wheel chair with choice cut blooms from his best new seedlings set out in rows of vases on a table beside him. He was in excellent spirits, witty and lively as of old, and it was a joy to see him getting a kick out of each new beauty as it was brought to him.* Ed Watkins was in his glory, and it was inspiring to see the gleam in his eye each time he showed the doctor a



Iris HELEN COLLINGWOOD has standards of light violet-blue. The falls are rich and deep in a brilliant shade of violet-purple. —from Kodachrome by K. Smith

new seedling. We tried to persuade him to ease up on himself, but it was no go. At least ten times he said, "If you don't mind, I won't go down that hill again today," and at least ten times he did exactly that, in order to show some late comer one of his favorites.

Of the more recent Graves introductions, Helen McKenzie was perhaps giving the best show at the moment. It is one of the cleanest whites I have seen. Another fine white (No. 46-121-B) attracted much attention, as did an earlier one (No. 45-30-C). Whites, of course, are hard to judge on brief observation. There are now literally hundreds of them capable of looking like world beaters at their best moments and best locations; only after they have been grown for a long time in many locations and many seasons can we judge which ones perform consistently enough to be rated as best.

* Since this article was written we have been grieved to learn that Dr. Graves passed quietly away about a month later.

The same is almost as true of the blues. Helen McGregor well deserves its Dykes Medal, for it has more good qualities than almost any other iris, including the rare ones of rain-resistance and wind-resistance, and it proved its worth in many regions through a long trial period. But it does have one fault: it bleaches in the sun. Nobody knows that better or is more distressed about it than Ed Watkins. When a new blue of the same shade proves to have all of Helen's good qualities plus fast color, it will deserve another Dykes Medal. Meanwhile no iris lover in his right mind is going to discard Helen McGregor or deplore its honor. He will merely plant it where it can have some afternoon shade.

Perhaps the new one with fast color will be one of those we saw on Beech Hill, or in the vases on Dr. Grave's table. Certainly some of them looked good on first acquaintance: I took notes on many, but admired especially a pale blue (No. 48-52-A) somewhat resembling Kezar Lake; a ruffled, shaded blue (No. 47-3-N) suggesting a paler Violet Harmony; a fine medium blue with self beard (No. 47-43-N3); and a less ruffled, perhaps less finished blue (No. 47-68-A) that seemed to me the bluest light blue in the garden.

As usual, the blues and whites stole the show at Hopkinton, but there were other colors, too. I could not discern much advance in the pinks or the blends, but there were some very promising black purples, and some very charming deep yellows with orange beards—not as large as some of the Goldbeater seedlings I had seen at Auburndale, nor as flaring as some Ola Kala seedlings, but with better width and shape of falls and better color effects by reason of the vivid beards. I believe they did have some Ola Kala blood in them, coming through Spartan; in any case they had good garden value and much better stems than Ola Kala.

Looking back on the 1950 season as a whole, the high lights in my memory are the gorgeous display of blues at Kenneth Smith's, and of blues and whites at Hopkinton; the distinctive excellence of Helen Collingwood; the attractiveness of Quechee and Chiquita; the clean, bright charm of Pinnacle; the originality of Mr. McKee's new bicolor (No. 5015); and the satisfying off-year performance of some of my own seedlings at home and of some New England reliables like Bay State and Mt. Hermon in their own bailiwick.

COLOR CLASSIFICATION

Since the publication of the new color classification in Bull. 117, one of our valued members, Mr. Chas. U. Bear of Greensboro, Vt., has prepared a dissertation on the subject in which he has asked various questions concerning the necessity of change from the old system, the departure from Ridgway standards and other pertinent aspects. We herewith presents the BULLETIN's interpretation of Mr. Bear's questions and Mr. Allen's answers.—(Editors Note).

MR. CHAS. U. BEAR:

It is believed that fully half of the present members of the AIS are "new members." They are entitled to a simple understandable color classification to be used with irises. Years ago, a committee of six learned, scientific and resourceful members created a color classification which has stood the test of time. This color classification was based upon the principles as set forth and used by Ridgway. Why was it necessary to change to something different?

MR. ROBERT E. ALLEN:

Since Ridgway's "Color Standards and Color Nomenclature" is now so difficult and expensive to obtain, very few registrants now cite Ridgway color names in describing their new irises. Most registrants now cite "Dictionary of Color" or "Wilson Colour Chart" colors. However, Ridgway colors are still entirely acceptable, as are those of any other reputable authority if the source is stated. An increasing number of registrants are now citing the Fischer Color Chart which is very easy to use because of its few color plates. The order of tints and shades listed by Ridgway is still perfectly valid but is now little used in practice.

MR. BEAR:

Our former color classification had five predominant classes. They were white (W), Blue (B), Red (R), Squalens (S) and Yellow (Y). Thus, for example, irises which were being exhibited could be assembled in this predominant order and placed accordingly as to color, tone, hue, tint or shade.

*Ridgway's order of **tints** run upward starting with medium, bright, warm, clear, light, pale, pallid, flushed, influence to white, then into infinity. The **shades** run downward with medium cool, cold, dull, deep, dark, dusky, smoky to black then into obscurity. White and black, mixed to gray becomes neutral, indefinite then into oblivion. L-light, and all above are tints of color. M-medium is the dividing line between tint*

of color and shade of color. M-medium shade of color progresses to D-cool, cold, dull, deep, dark and all below to shades of color. According to Ridgway there is no such thing as a DARK tint or a LIGHT shade. This allows exhibitors much latitude in settling by comparison the medium tint or the medium shade of color. In what way does the present system differ?

MR. ALLEN:

The practice most prevalent at present is to use the adjectives pale, light, full, deep and dark to describe the value or intensity of a color. The term "full hue" or "pure hue" is synonymous with what Ridgway called "medium," the use of which resulted in considerable confusion. The word "tint" is a noun referring to all colors that are lighter than the full hue, while "shade" is a noun referring to all colors that are darker than the full hue. The adjectives "pale" and "light" are used to modify either the name of the full hue or the tint thereof, while the adjectives "deep" and "dark" are used to modify the full hue or the shades thereof. Thus Pale Blue is a pale tint of blue, while deep violet is a deep shade of violet.

The boundaries between pale and light, and deep and dark seem to be very tenuous. It may be mentioned that "Hue" is that attribute of a color that distinguishes it as differing from white, black and neutral gray." The term "Tone" describes any slight modification in some recognized color, as a yellowish tone of green, a dull tone of brown, a bright tone of orange." From the foregoing you will observe that principal differences in color nomenclature to which you allude arise from the use of more modern terminology adopted by color technicians who have advanced considerably beyond the area that Ridgway pioneered.

The science of color has become much more precise in the past 35 years but I have no desire to urge the adoption of the Munsell system which has remained unchallenged as the best color system for the past ten years. Most people wish to describe flowers with words rather than by a series of numbers like a football signal.

I must remind you that the six spectrum colors, together with black and white will continue to be all the predominant colors available for symbol description, but the number of predominate (and subordinate) colors available for word descriptions runs into the thousands. Thus a lavender and violet bitone such as Marie Antoinette would be simply VP/D 3 by symbol, but by word description it might be "pale Cobalt Violet and light Royal Purple bitone."

MR. BEAR:

In BULLETIN 117, page 9, paragraph 3 of your article you state,

"The hue of the standards is arbitrarily considered the predominant color." Just who is the authority for this?

MR. ALLEN:

I have no idea who or what group made the original decision that the color of the petals or standards was the predominant color in bicolors. It may have been Wister, Peckham, Morrison, or the committee to which you allude or it may have been simply adopted from the Royal Horticultural Society practice. It was prevalent before the compilation of the second Check List for it is used therein. For example, City of Lincoln is symbolized as Y9D which means that it is a deep yellow bicolor with red falls. In the 1939 AIS Color Classification the predominant colors were designated by letter and the subordinate colors and patterns by number. Thus Y is the predominant color of City of Lincoln while 9 or red is the subordinate color. Unfortunately the symbol Y9D might also mean a dark orange or orange-brown bitone so this symbol as well as many others would be susceptible of diverse interpretation by one who did not know the variety. Likewise bicolors like Pinnacle and New Era would have to be symbolized as W6M by the old code. This might also mean a cream and lemon bitone. The revised symbol system would describe them as W/Y 4 which means only white and yellow bicolor, whereas Y/W 4 would be a yellow and white bicolor.

MR. BEAR:

Quoting further, "Despite certain technical objection, therefore, it is considered necessary to include secondary colors, together with primary colors, as Predominant colors." Just how can it be a secondary and a predominant color at the same time?

MR. ALLEN:

As previously indicated, present usage makes tones modify hues rather than the reverse as you state. Since so very few members have any concept of the functioning of the sap and plastid pigments in the composition of a horticultural blend, and since most members use the word blend in the dictionary meaning of polychrome or multicolor in referring to varieties like Duet or Hoosier Sunrise, it was considered only practical to conform to the polychrome definition rather than attempt an educational campaign on pigment genetics, and let the varieties that are variously described as brown, tan, shrimp, smoky, etc., be recognized as such. The origin of the tangerine beard, for example, requires a rather complex explanation, genetically speaking, and the first tangerine self will require the same type of explanation.

AMERICAN IRIS SOCIETY AWARDS 1950

DYKES MEDAL

		<i>Votes</i>
Blue Rhythm	Whiting	100

RUNNERS UP

Cherie	Hall, D.	47
Cascade Splendor	Kleinsorge	26
Amandine	Douglas, G.	23
New Snow	Fay	23
Golden Ruffles	Taylor, C.	19

AWARD OF MERIT

Tall bearded — American varieties

Spanish Peaks	Loomis	130
Argus Pheasant	DeForest	100
Pierre Menard	Faught	78
Cloth of Gold	Whiting	71
Radiation	Hall, D.	57
Mattie Gates	Sass	53
Pretty Quadroon	Kleinsorge	48
Lynn Langford	Hall, D.	46

RUNNERS UP

Arab Chief	Whiting	44
Lilac Lane	Whiting	43
Gypsy	Kleinsorge	43
Goldbeater	Kleinsorge	43
Vice Regal	Miles	40
The Capitol	Maxwell-Norton	40

Other than tall bearded

Two Opals (Spur.)	Nies	20
Capitola (A B x)	Reinelt	16

RUNNERS UP

Michigan State (Spur.)	Nies	13
Lark Song (Spur.)	Nies	12

HONORABLE MENTION

Tall bearded. Ten votes required

		<i>Votes</i>
Belle Amie	Ohl	11
Bellerive	Benson	27
Bonny	Lapham	10
Bright Song	Schroeder	10
Brittania	Tompkins	10
Centurion	Wills	11
Clear Sailing	DeForest	10
Color Carnival	DeForest	11
Confetti	Schreiner	17
Dolly Varden	Hall, D.	12
Ebony Isle	DeForest	10
El Paso	Kleinsorge	20
Evensong	Frazee	13
Golden Symphony	Horton	13
Gold Sovereign	Whiting	30
Helen Collingwood	Smith, K.	13
Helen McKenzie	Graves	41
Hi Time	Hall, D.	17
Illinois	Hall, D.	12
Jane Phillips	Graves	18
Jerico	McKee	10
Keene Valley	Smith, K.	13
Lady Albright	Muhlestein	11
Lake Tenaya	Miess	13
Leading Lady	Lyell	20
Love Story	Sapp	24
Maytime	Whiting	21
Melody Lane	Hall, D.	21
Pacemaker	Lapham	25
Pale Primrose	Whiting	12
Paradise Pink	Lapham	21
Pink Sensation	Hall, D.	20
Plum Pretty	DeForest	14
Ponder	McKee	17
Port Wine	Sass	13
Pretty Pansy	Sass	12
Quechee	Knowlton	27
Relentless	Cook, P.	10
Rendezvous	Tompkins	10
Rich Raiment	Craig	19
Snowsheen	Sass, H.	10

		<i>Votes</i>
Song of Songs	Crosby	10
Spring Romance	Miess	21
Syllabub	Douglas, G.	12
Tally Ho	Hall, D.	12
Technicolor	Whiting	41
Tosca	Benson	15
Tranquility	Fay	13
Tranquil Moon	Cook, P.	10
Twilight Sky	Fay	29
Windsor	Tompkins	19

HONORABLE MENTION

Other than tall bearded. Five votes required.

		<i>Votes</i>
Primus (DB)	Welch	5
Violet Gem (DB)	Cook, P.	6
Tycoon (Sib.)	Cleveland	7
Russet Flame (Spur.)	Nies	6
White Heron (Spur.)	Milliken	7
Bayou Sunset (Hex. X)	MacMillan	6
Caddo (Hex. X)	Trichel	11
Cherry Bounce (Hex. X)	Nelson	9
Lockett's Luck (Hex. X)	Collected	5
Midshipman (Hex. X)	Richard	8
Ruth Dormon (Hex. X)	Trichel	7

CAPARNE AWARD

Sound Money	Sass	7
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MARY SWORDS DEBAILLON AWARD

Caddo	Trichel	10
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HIGH COMMENDATION

Five Votes Required

I. Registered varieties (as of August 1, 1950)

Registered Name	Registrant	<i>Votes</i>
Annabet	McKee '50 T	9
Carol Harker	Naylor '49	5
Cherokee Chief (Spur.)	Nies '49	8
Chinese White (5020)	McKee '50	6

Color Guard (Spur.)	Nies '49	7
Flora Whiting	Whiting '39	5
Golden Hawk	Smith, K. '49	5
Humming Bird (45-9B)	Knowlton '50	10
Mellow Gleam (Hex. X)	Dormon '46	5
Northwestern	Cook, F. '50	18
Ocean Spray	Schirmer, H. W. '49	6
Panay (5015)	McKee '50	8
Rose of Abbeville (Hex. X)	Dormon '49	5
Royal Gem (Hex. X)	Smith, S. '47	5
Temple (5007)	McKee, '50	14
The Kahn (Hex. X)	Dormon '49	7
Waumbek (48-28A)	Knowlton '50	6

II. Varieties not registered to date (as of August 1, 1950)

A. Listed Name Varieties		<i>Votes</i>
Apricot Supreme (49-36)	Tompkins	22
Black Hills (4921)	Fay	6
Mary Randall	Fay	21
One Clear Call	Tompkins	8
Old Ivory	Carpenter	7
Party Dress	Muhlestein	5
Plum Good (Hex. X)	Nelson	5
Sweet Marie	Muhlestein	6
B. Varieties under Number		
Benson 49-6		7
Benson 50-1B		8
Buttrick 48-84A		7
Carlston 49-01		7
Corey 18-L1		5
Dubes 7-81		5
Emery 49-86		5
Fay 49-28		12
Fay 49-17		5
Hall, D. 48-33		9
Nesmith 45-30M		11
Schreiner F-263		11
Snyder 1S-46		13
Tompkins 50-90		33
Waters, D. 1-49		5
Whiting 46-66		8
Wills 79-46		8

HAROLD W. KNOWLTON, *Chairman*, Awards Committee

August 8, 1950

Growing Iris in South Africa

FRIEDA J. BOSHOFF-MOSTERT (Kleinskuur, Balfour, Tvl., S.A.)

In 1939 a colored photograph of tall bearded iris in the American publication *Better Homes and Gardens* fired me with enthusiasm to grow these lovely flowers. I wrote to Robert Schreiner, one of the biggest growers in the U.S.A., asking whether it would be possible to import Iris. His reply, "Certainly, as I have sent iris to Australia and New Zealand," was most encouraging.

The parcel sent in October, 1940, was delayed many weeks owing to war conditions and the Postmaster rang me up to say that some rotting plants had arrived and he proposed pitching them into the ash can. I dared him to do any such thing!

They presented a sorry mess. Little Red Orchid was only half gone, but of Shining Waters, Sierra Blue, San Francisco, Los Angeles and others only a tiny bud of each remained. My husband and I scraped away all soft portions, dusted the remainder with Bordeaux Mixture and planted them in tins of sharp sand, watering sparingly. To our joy we saved twelve of the eighteen.

In 1941 twelve others arrived in optimum condition. From this small beginning, supplemented in 1947, 1948 and 1949, I now have over an acre under iris.

First, I feel you would like a short description of our conditions and climate.

We live in the Transvaal, on what is known as The High Veld, which is a plateau 5,000 ft. above sea level. It is one of the big maize (corn) growing areas of the Union of South Africa, where a good many dairy farmers are found. Most of us are mixed farmers, growing maize, beans, teff (forage), potatoes and sunflowers and keeping dairy cows, pigs and poultry as side-lines. Our farm is only 50 miles from South Africa's biggest city, Johannesburg.

We have a wonderful climate, warm, not very hot summers, and cold, frosty winter nights, with warm days. We sometimes have a difference up to 40 degrees Fahrenheit between midday and midnight. We very seldom have snow—about once in ten years. We have a summer rainfall with a very occasional winter rain, amounting to an average of 26 inches a year. In August, September and October we experience high winds and it is after these that we expect our first rains.

The intermediate irises Red Orchid, Chrysoro, Cosette and Eleanor Roosevelt start flowering in the beginning of September. These babies are most floriferous and make ideal rockery subjects. By the end of September the early tall bearded iris come into bloom and I feast my

eyes on a planting of Purissima, Souv. de Michaud, Mauna Loa, Los Angeles and China Maid. The latter is a huge, bronzy pink, a vigorous grower, but not weather-resistant, so when the wind blows hard, I hasten to pick an armful of buds to brighten the house. Indoors China Maid shows all her beauty and depth of colouring.

The next iris to flower is Mt. Washington. This pure white from California is a veritable giant. The petals have the substance of gardenias and such a wonderful perfume. Both China Maid and Mt. Washington flower again in February-March.

Shining Waters, Sierra Blue and San Francisco follow on. Perhaps it is because I have fields of these iris or perhaps because after a sojourn of ten years in S.A. they are thoroughly acclimatized and thus, most floriferous, that they always make a patch of Heaven on Earth. Blue seems to me to be a "basic iris colour" and I never tire of gazing at good blue iris. When once Berkeley Blue, Blue Zenith, Chivalry, Blue Frills and the other new blues have made good growth, I may forsake my old loves for them.

There is not enough space to eulogise the striking yellow Iris such as Golden Hind, Golden Majesty, Naranja, Berkeley Gold and the delicately beautiful Fair Elaine. We cannot pass by the wonderful, huge mulberry-purple Elmohr nor the attractive reds, Cheerio, Inspiration, Junaluska and The Red Douglas.

Many find the Coppers rarest beauties of all and praise Bronzino, Aztec Copper, Copper Lustre and Copper Cascade. I love the orchid pinks Morocco Rose, Miss California, China Maid and Angelus, the shrimp-pink Aubanel and salmon-apricot Stardom.

I have so often been teased about my preference for white iris that I hesitate to name Snow Flurry, Snow Carnival, Easter Morn and Gudrun! In the final analysis, there are so many lovely Iris that one cannot "play favourites."

I have been fortunate in procuring, through Robert Schreiner of Oregon, U.S.A., some of the latest novelties, such as Pink Cameo, Spendrft, Mulberry Rose, Lady of Shalott, Confetti, Solid Mahogany, Lady Mohr, Chivalry, Fire Cracker, Ola Kala, New Snow and many other jewels of the hybridizer's art. These new iris are incredibly beautiful and urge one to try and create a few new iris of one's own.

I have a few seedlings growing and hope to see them flower in the Spring of 1951.

The Lay of an Ancient Mariner

A. W. MacKENZIE (N. M.)

The last of February I and the Mrs. loaded up faithful Hermes and hit the road on what turned out to be our last long iris trek and it was never finished. As we had intended to visit gardens in the Central states, and attend the meeting at Sioux City we headed for San Antonio, Texas, where I knew there were iris gardens and probably bloom. You say San Antonio is not in the center? Let's see. It is just as far by air line from there to San Francisco as it is to Philadelphia and I think that's "purty middlin." When we arrived we found *I. albicans* and a pale purple just about through blooming. They were common over town. I do not know the purple one, it's neither *pallida* nor *germanica*. Scattered bloom of various other varieties were seen in different gardens. We visited the three commercial gardens; they had scattered bloom. I looked the gardens over and told the folks they would not have much bloom. They thought it was a cold spell they had had; I said no, a dry fall. They said yes, it had been very dry. I insist that in this dry country plenty of water in the fall is the prerequisite for good bloom the next spring. *Leverrier* was blooming good, so was a California yellow, whose name I heard many times but paid it no-never-mind, for you cut a bunch and the stems looked like a basket of snakes. *Miss California* was in bloom in all three gardens but I think this is a record for continuous bloom for a T.B. In Harry White's garden first bloom on *Miss California* opened on January 22nd. It was still in bloom when I left May 4th, and I have since received a letter saying it bloomed until May 28th, rested a week, bloomed, rested another week and bloomed again. Four months!

There were a good many Dutch iris in bloom in town. Mostly it was *Wedgewood*, which had naturalized. If I were going to grow iris here for myself I would certainly choose the bulbous, *Spurias*, *Siberians* and of course the *Louisianas*, for three of the four hexagonas are natives of east Texas.

The third day we were in San Antonio we were adopted by members of the Iris Society and the Men's Garden Club, so we had a fine time the rest of our stay. We had three cakes sent us for our fiftieth anniversary. We met Mrs. Dumont, of Des Moines, who was here visiting her daughter and family. She and I both gave a little talk to the Garden Club. It has 180 members. Quite a few are retired army officers and they put on two good shows a year. The club president's iris were blooming so we headed north. A good many of his yearling

things were not going to bloom; he said cold, I said dry fall. The outstanding thing here was a great patch of Chivalry in full bloom. Helen McGregor was in bloom and as I looked at it another judge came along and looked at it and shook his head. I did not even do that.

Tourist accommodations were not to our liking so we moved on looking for a nice little town with nice courts as we were tired and wanted to rest. We did not care if the town did not know what an iris was. Soon we hit Lawton, Oklahoma. A nice town, a fine court and afterwards we found nice people (flower people are as a rule nice). We went to a cafeteria for lunch and saw a big vase of nice iris at the cashier's desk. I asked how come; the cashier said they had had an iris show the day before and it was the middle of iris week. Big me had to stick my neck out so I called up a member and asked where the regional meeting was to be in Oklahoma City. Soon after I was called to the phone by another member and we were invited out for breakfast and a garden tour. Quite a few women came and one lone man, Tom Strickland. We visited several gardens; I acquired some more knowledge and I hope I imparted some. Strickland told me that he would have Moonlit Seas in bloom in the morning. I said, "Hush man," for though I had been in the navy for many years the sight of that thing made me sea sick. I saw him the next day; he said it was open. I asked how he liked it; he said he didn't like his breakfast very well after seeing it.

After a couple of days we drifted on. We stopped at Terry's for a little while. They have a fine garden and a lot of good iris. They (the iris) were a bit bedraggled by a wind that was to plague us for the next three days. We saw Helen McGregor, and she looked somewhat like the catalogues say, but Mrs. Terry said she was no good last year. She cannot take it where the sun really shines, but there are others too. As good as Great Lakes is, it is not worth a nickel in Albuquerque for it will not bloom—maybe one stalk on a four year plant.

We pushed on toward Indianapolis from where we intended to backtrack to Sioux City, then back again to Paul Cook's and then to northern Michigan for the summer. In central Illinois we ran into a storm, which was not dust but dirt like bird shot. For minutes at a time you could not see the ornament on the front of your car. It made the worst New Mexico dust storm I ever saw look like a summer zephyr. In Indianapolis old age finally caught up with me in the form of arthritis and that ended our look see for iris, except Geddes Douglas' on our way to where it was hot. The last bloom or two was on Extravaganza, but his very late and very good yellow Dividend was in full bloom. He had some nice hexagonas of his own, a strain he said was hardy. Could be. *I. foliosa* grows almost as far north as Ft. Wayne,



ansies, columbine, sedums and peonies are companion plants in the iris border of Mrs. Eugene R. Miles, of Shaker Heights, Ohio. Climbing roses on lattice fence form effective background.

Indiana, *I. fulva* sometimes as far north as Cairo, Illinois. From the looks of the *Spurias* and what he told me about Shelford Giant I have a hunch that they are not at their happiest in his garden. I have had Shelford Giant over five feet in Albuquerque. I think it is my favorite iris.

We are back in Albuquerque now in a new home and I hope for good. I cannot travel much or garden much but I will have a few iris, and there are a few gardens here to visit. So endeth the Lay of this Ancient Mariner. *Vaya Con Dios.*

Seven Garden Pictures

What makes a beautiful garden? The flowers? Certainly. The natural setting? Perhaps. The landscaping? It helps. But no one of these things can be totally responsible, nor of much value unless linked with the personality of the gardener.

In an effort to find out what makes various gardens “click.” The BULLETIN wrote to the creators of seven beautiful gardens and asked of them these questions—“If you could select just three irises to plant together, in order to create a garden picture, which three would you use? What would you use for companion plants in the foreground and in the background? What would you use for follow-up plants in order to have bloom after the iris season?”

We furnished these experts with a list of twenty-five irises and asked them to limit their choices to this list. The list was:

- | | | |
|--------------------|--------------------|----------------------|
| 1. New Snow | 9. Master Charles | 17. Cherie |
| 2. Priscilla | 10. Vatican Purple | 18. Russet Wings |
| 3. Azure Skies | 11. Lady Mohr | 19. Golden Russet |
| 4. Cahokia | 12. Amandine | 20. Rocket |
| 5. Helen McGregor | 13. Desert Song | 21. Argus Pheasant |
| 6. Chivalry | 14. Cloth of Gold | 22. Dream Castle |
| 7. Blue Rhythm | 15. Zantha | 23. Gypsy Rose |
| 8. Violet Symphony | 16. Pink Cameo | 24. Cascade Splendor |
| | | 25. Pretty Quadroon. |

We hope that the following word pictures will prove as stimulating to BULLETIN readers as they have to your Editor. Garden planning is a fascinating game. Try it sometime (EDITOR’S NOTE).

* * * * *

EVA FAUGHT, Ill.

Because of their many fine traits, tall bearded irises deserve a place of great prominence in the garden border. Their almost perennial clean gray foliage supplies that uplifting perpendicular line so basic to a proper flower arrangement, and what really is a good border but a series of flower arrangements?

This characteristic of the tall bearded iris of showing at least a few green tips throughout the year makes it a most useful plant to use as the backbone or framework of a planting—a reference point or rather a reference line for other plantings which are likely to disappear entirely at certain seasons of the year.

The first method, the one which we have found to be most satisfactory, uses line plantings of irises in half circles. The second method uses a continuous serpentine line planting of irises. The tops and the bottoms of the curves do not touch the back and front edges of the border but leave spaces of about a quarter or less of the total width of the border. As shown in the accompanying diagram, this scheme provides back and front bays. The back bays may be planted with groups of lower growing material. The half circle scheme gives more space for tall growing plants and less for shorter growing ones. The serpentine scheme gives equal spaces. The repetitious line of iris contributes continuity to the whole planting.

Years of trial and error sometimes called "experience" have placed upon the compost heap all but a very few families of plants which make desirable neighbors for the iris clan. For the back bays members of the lily family, quiet, unaggressive, producing bloom from June to September are very desirable. The white Madonnas, Regals and Phillipinensis as well as the pink and white Speciosum are true aristocrats. They appreciate the partial shade of a background bush or hedge and a thick blanket of leaves or other mulch in which to conceal their feet.

Instead of lilies or along with them, a few tall growing chrysanthemums or Michaelmas daises could be admitted to the back bays, but they must not be allowed to spread too freely or grow so large as to shade the irises. The lilies would not object to their shade.

For the front bays, members of the daffodil family in groups will prove both beautiful and desirable. They are early, fragrant, rich in color, well mannered. Spice pinks, preferably the double white ones, dwarf irises, pansies, violets and the dwarf gray leaved lavender may all be used for variety.

Tulips, hyacinths and other bulbous families are lovely but they demand a great deal of special care such as digging, storing and re-setting each year.

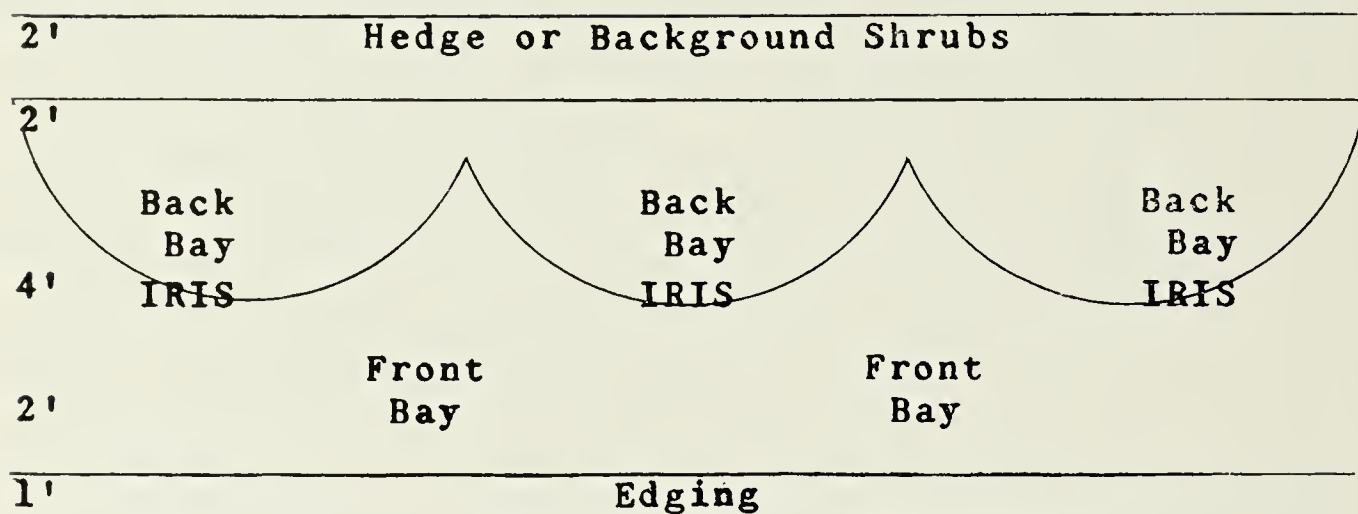
If the front bays are deep enough, small groups of low growing pom-pom chrysanthemums make charming and long lasting autumn decoration. By pinching the growth back until the middle of July or later chrysanthemums are easy to keep within bounds throughout spring and summer while the irises need all the sun and air.

For an edging plant, nothing is more satisfactory or more beautiful than the dwarf or old English boxwood (*suffruticosa*). Where it cannot be grown some of the herbs, such as lavender, rosemary, thyme, dwarf catnip, of the gray leaved varieties would do very well.

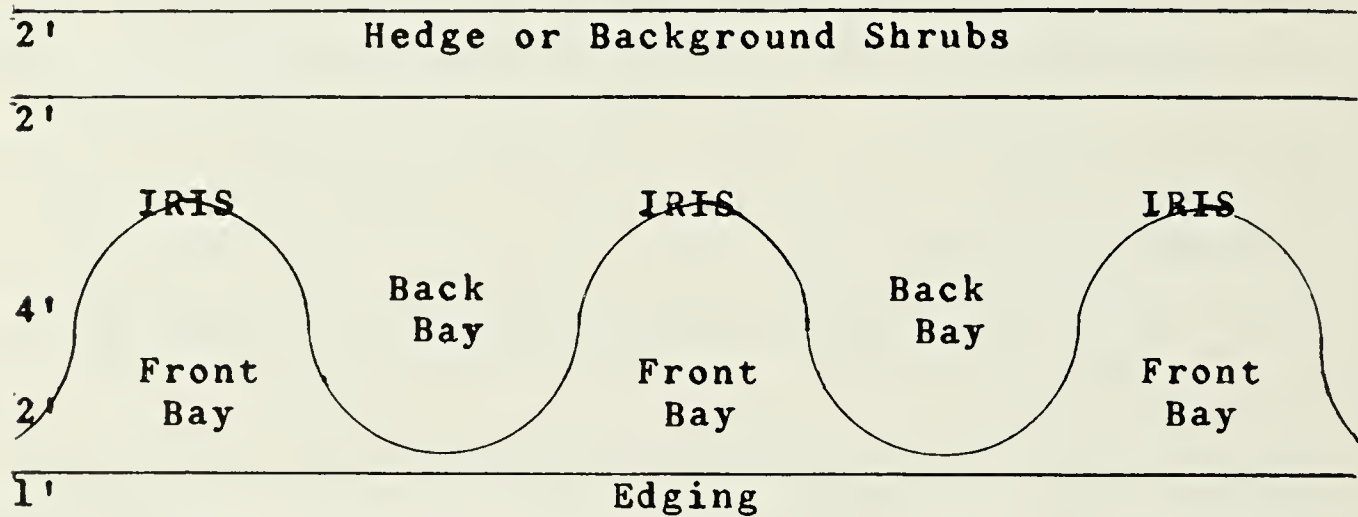
There are several plants to be kept out of the border in which irises are given first place. The daisy which seeds profusely and falls all over everything before it can be gathered is one. Another is goats-beard (*filipendula*), lacy of foliage and lovely of bloom but a rapid

spreader and so determined to keep its place in the sun that every little beard (root) which breaks off when being removed, immediately starts a new plant. Peonies and hemerocallis spread so fast and so far that the companion irises are soon reduced to rotted rhizomes and spotted foliage from too much shade.

Planting Plan No. 1 HALF CIRCLE



Planting Plan No. 2 SERPENTINE



For the scalloped border, Priscilla, Cherie and Cahokia should make a good trio. With a diameter of 8 feet for the circle, the scallop to be planted would be approximately 12 feet long ($\frac{1}{2}$ of 3.1416×8).

Priscilla, a small low midseason pure white, would be just right for about three feet at the center of the scallop nearest the edge of the border.

Cherie, four inches taller, also a midseason bloomer, a delicate flamingo pink, well substanded, flared and ruffled should be given about seven feet of line space on either side of Priscilla.

Cahokia, the tallest, about forty inches but late mid-season, a light blue of good substance should take the line to its farthest point back.

Late midseason blooming means a background of buds for Priscilla and Cherie for a few days and a longer period of interest for the whole planting. If the same planting is repeated in the next scallop it will cause a doubling of the planting in close proximity, so only four feet of line space is reserved for Cahokia. Since blue is a receding color, some may prefer to reverse the positions of Cherie and Cahokia on the line, but the taller Cahokia would appear to better advantage as the end planting as indicated above. The pink and the blue will compliment each other and the pure white Priscilla will bring out the delicate pink and blue of its companions.

Regal or Formosanum lilies should be used in the back bays, white spice pinks in the front ones with boxwood or dwarf gray lavender edging. A few chrysanthemum plants could go into the back bays.

For the serpentine border, Pretty Quadroon, Amandine, and Cloth of Gold would make a dynamic group.

Pretty Quadroon, golden brown, thirty-four inches tall, and mid-season bloomer would have the center of the lower arc, about three feet of line space.

Amandine, a good cream, also thirty-four inches tall, and a late mid-season bloomer should have about eight feet on either side of Pretty Quadroon, Cloth of Gold a brilliant light yellow, thirty-six inches tall, and a midseason bloomer should have three or four feet of the top arc space, continuing the line from Amandine. With the brown, cream and yellow iris grouping, brown and yellow and black pansies make a perfect foreground color repetition. The back bays may have lilies and chrysanthemums as in the scallop planting. An edging of boxwood would be perfect.

* * * * *

FRED W. CASSEBEER, N.Y.

Irises give the best effect when planted in groups of three and I would suggest a more or less triangular planting with Blue Rhythm in the background and Pretty Quadroon and Amandine in the foreground. With these, as a base of the triangle in the front of the border, I would use a planting of pale blue pansies. These three irises are comparatively late bloomers and I particularly like brown, yellow and blue in combination.

* * * * *

JOHN DOLMAN, JR., Pa.

I should hate to be confined to just three irises. But a good combination for one corner would be Blue Rhythm at the back with Amandine and Dream Castle in the front (I would prefer Cherie to Dream Castle,

but it would bloom too early and be gone before the others opened up). Another combination would be New Snow at back, Azure Skies and Pink Cameo in front. A combination based on transitional color harmony in a vibrant tone and entirely different, would be Zantha, Russet Wings, and Argus Pheasant. Either combination would look well against a deep hedge of lilacs and evergreen, with a few cow bells in front. Mid-season hemerocallis, zinnias, and chrysanthemums would keep the garden alive till frost with best economy of space.

* * * * *

MRS. LEWIS JONES BLAKE, S.C.

For my garden picture my first choice is enchanting Amandine made out of lemon whipped cream. In all kinds of weather count on Amandine. My second choice is heavenly Cahokia made out of blue skies with a stolen star for a beard. My third choice is Cloth of Gold. I mean gold, not brass mind you, gold that is deep, pure and priceless. I choose these three because they bloom together and make a beautiful and harmonious picture. Frame these three with a background of evergreen banana shrub, not too near to keep out air and sunlight and not too far off for a windbreak. It makes a beautiful screen for my picture. The foreground is a carpet of Swiss pansies in azure, cream and gold with a fringe of nepeta with its aromatic foliage of silver-gray and its flowers of lavender-blue. For companion plants I use Russel Lupines in cream soft blue, and pale pink. For follow-up plants after the irises are gone, I use hemerocallis, daisies and roses that last from Easter to Christmas.

* * * * *

MRS. SILAS B. WATERS, Ohio

For a garden picture of rare charm I would choose as a focal point Pink Cameo, placing New Snow and Cahokia just at the back of it. In the foreground I would plant a mass of the low growing Veronica Rupestris, which has myriads of blue spires only six inches high and this plant also blooms at the same time as the iris.

The blue of Cahokia enhances the beauty of Pink Cameo, while New Snow adds much to the whole picture, especially as the blue Veronica repeats the blue tones of Cahokia and gives balance to the whole.

For a background I like clipped Taxus Media or the lovely Abelia with its small neat glossy leaves. Tall pale yellow iris are effective in such a background.

I do not use companion plants in an iris planting, iris need all the sun and air circulation possible to keep them healthy, and for this reason my iris have no competition with other plants.

I believe that the grey-green foliage of iris present a pleasing effect even in late summer, if they are kept clean and cultivated.

LENORA RUTLEDGE MATHEWS, Louisiana

Fortunate is the gardener where the width of flower border permits planting for two or more periods of bloom. Imagine drifts consisting of Cherie, Helen McGregor and New Snow, planted in ascending groups of five, nine and fourteen as listed. For a background, a white cloud of philadelphus and I would suggest for a foreground a carpet of White Perfection violas. This repeats the colors in the drifts of iris using the same background and foreground for continuity. The white iris New Snow is used to unite them as one.

This same area may follow-up with a beautiful second period of bloom by planting a selection of pastel and pale yellow hemerocallis. In the foreground heavenly blue petunias may be planted with the violas and they will bloom with the hemerocallis. For a breathtaking background the shrub hydrangea macrophylla (the soil must be treated for a slightly acid reaction) will produce flowers in tones of mauve, lavender and pale blue. Thus there will be beauty for weeks from one area.

* * * * *

CLARENCE CONNELL, Tenn.

Once upon a time and that time long ago, I was correctly quoted as having said, "In an iris garden of mixed colors, plant two yellows to one of every other kind." When this pronouncement was made the newest varieties to be had were such things as Sou. de Mme. Gaudichau, Ambassadeur, Magnifica, Ballerine, Crusader, Alcazar, Shekinah, etc.

Now I am asked to make another statement about combination or color arrangement, and there are new colors such as coppers, pinks, strong yellows, reds and what-have-you. My first garden followed the two-to-one yellow theory and with the soft Shekinah type yellow the garden was not too bad.

My second garden was planned to be like a huge stained glass window, with color patterns and combinations very carefully planned. The garden was pretty enough, but the result was a lovely hodge-podge with no apparent pattern.

In the third garden, I reverted to the two-to-one yellow theory. Since the strong yellows of the Golden Majesty cycle were used instead of the soft Shekinah type the garden was garnish with yellow.

Now my fourth garden may some day get planted and if it does, there may be only one, two or maybe three varieties at most and these planted in masses or processional. No one can possibly use a hundred varieties in the average size garden. You cannot plant them in close proximity to each other and have the effective result of a pattern. Of course, there can be details in placing, but the overall effect will be just a "pot pourri" of blends.

To get good color combinations and have them effective as units the groups must be widely separated one from the other. If a garden is planned with good line and proportion, and good material used, the chances for a pleasing garden are good even if color combinations are relatively ignored.

Having seen Blue Rhythm in a long row and in full bloom, what could be finer than a whole Blue Rhythm garden? What could be more chaste and breath taking than a whole garden of New Snow? What could be more soothing and restful than a garden planted with Dream Castle? What could be more intense than a Rocket garden?

As for combinations—I must confess to liking those of stronger contrast:

Master Charles—Amandine

Chivalry—Russet Wings

New Snow—Blue Rhythm

Mulberry Rose—Moonlight Madonna

Dream Castle—Priscilla

Violet Symphony—Zantha

Helen McGregor—Pink Cameo (in shade)

Rocket—Azure Skies

Helen McGregor—Russet Wings

Violet Symphony—Gypsy Rose

Try these. At least you will be distracted and the madness of the iris will be upon you.



Poplars (left) and a majestic copper beech screen buildings and skyline. Around the center grass plot, a wild garden merges with a rock garden (left foreground). The clipped hedge adds symmetry to an iris border in which the companion plants are pansies, columbine and sweet rocket. Mrs. Eugene R. Miles' garden, Shaker Heights, Ohio.



RESULTS FROM 1947 CROSSES

In the spring of 1947 Dr. L. F. Randolph, Chairman of the Scientific Committee, designed a series of crosses to test out various problems of inheritance in irises. The crosses were made and in due course the seedlings bloomed. We publish the following results in the hope that the various counts may be of benefit to those who are testing similar problems. (Editor's Note).

Balkana x Chartier. 5 purple, 5 near white and 1 pure white. Balkana is a very dark blue purple dwarf. None of the seedlings was over 12 inches but all were later than the dwarf. (4705)

Narocain x Chartier 8 purples, 7 creamy whites all intermediate in height and blooming season. Flower size in better proportion than IBs from 4n tall (4707a, b).

Bride x Chartier. 1 blue purple dwarf, 10 creamy white dwarfs and 2 tall pure white with clean white hafts like Solitaire (4708a, b). (You once asked me what would happen if dominant whites and recessive whites were crossed. Certainly colored and whites would be expected with the latter predominating, if there were not too many doses of the dominant and if the colored locus was heterozygous for recessive white.)

Mount Cloud x Sharkskin. 2 dominant whites gave 31 whites and 4 purple selfs.

Virgil x (Snow Carnival x Sharkskin) White. 13 white, 3 blue purple selfs (4734).

Vigil x Ola Kala. 47 yellows and creams, 16 purple blends. All poor quality blooms with mostly narrow hafts, pinched and recurved falls, open standards. These three recessive characters appear in progenies of very good iris with surprisingly high frequencies (4728a, b, c).

Extravaganza x City of Lincoln. 10 clear variegatas with pale yellow to bright orange standards, 5 variegata blends with appreciable amounts of color in the standards (4737). 2 of the 15 had fairly smooth hafts others conspicuously lined. Lined hafts appear with relatively high frequencies in many crosses of smooth haft parents. Why?

Ola Kala x City of Lincoln. 9 orange selfs, 12 variegata blends with tan stands, 1 red purple bitone (4774a, b).

City of Lincoln x Ola Kala. 12 med. to dark yellows, 11 variegata blends with tan stands, 3 variegatas but with light purple falls (4764a, b).

City of Lincoln x Wabash. 11 bright clear variegatas (6 edged yellow, 5 not) 1 variegata blend, possibly a contamination (4762).

City of Lincoln x Matterhorn. 67 dull red purple near selfs or bitones, 9 Moonlit Sea type plicatas lavender splotted with yellow throat, 2 bright clear yellow variegatas with no purple in the stands (4763a, b, c).

Cortez x Captain Wells. (Cortez not quite as contrasty a variegata as City of Lincoln; Captain Wells is one of Paul Cook's best red purple selfs that should be homozygous or nearly so) 24 red purple bitones with some variation in amount of color in stands (4765).

Wabash x Missouri. 49 blue purple bitones (neglectas), 1 blue purple self, 2 near selfs blue purple (4729a, b).

Wabash x Matterhorn. 20 blue purple bitones (4557, 59).

Wabash x Elsa Sass. 1 lavender blue self, 16 blue bitones, 22 variegata blends with tan stands, 3 variegata, 2 amoenas of Wabash type (4558a-d).

Shannopin x Wabash. 1 amoena with pure white stands, 4 variegatas, 3 variegatas blends, 2 purple neglectas (4766).

Shannopin x Cortez. 23 neglectas or variegata blends (with or without much yellow) 1 near variegata with little color in stands (4767).

Shannopin x Captain Wells. 19 red purple bitones all with considerable color in stands (4768).

Golden Eagle x Melitza. 56 yellows with yellow beards. 5 creams with tangerine beards. 5 reddish purple bitones with yellow beards. The 61 with yellow beards were all medium to dark yellows except 2 creams and 1 near white; the 5 with tangerine beards were *all* very light yellows or creams flushed pink suggesting linkage of tangerine beard coming in with the white allele of yellow (4769a, b).

Los Angeles x Matterhorn. 41 white, 52 plicata, some more pronounced plicata than LA (46254 - 257).

Ruth Pollock x Moonlight Madonna. 8 lemon yellows and 6 plicatas. Moonlight Madonna is obviously another Elsa Sass yellow with the recessive white allele of plicata (4782).

(*The Admiral x Elsa Sass*) *Med. Blue Purple x Elsa Sass.* 33 purples of various shades and 4 lemon yellows. 5 of the purples had spotted hafts suggesting plicata influence (4756a, b; 47137a, b).

Blue Monarch x Sensation. 53 medium to light near self blues and bitones, 3 lavender plicatas, 2 whites with a suggestion of lavender

lining in the throat. 8 of the blues showed a suggestion of plicata pattern in the throat, suggesting that a simplex condition of the dominant self color allele is not fully dominant. This is the only cross of blue purple selfs so far that has segregated either plicatas or whites, except the Marocain and balkana dwarfs (4794a, b, c).

Blue River x Great Lakes. 25 medium to light blue selfs (4742).

Missouri x Great Lakes. 22 blues ranging from dark to light (4744a, b).

Great Lakes x Sharkskin. 11 white, 3 medium blue purples (4746).

Blue Zenith x Sharkskin. 10 white, 1 med. blue purple (4745).

Black Banner x Cooks Sab. 29 dark red purples. Flaring falls of Sab dominant over drooping falls of Black Banner.

4506-1 x 4505-1 Plicatas from Dogrose x Chartier. 22 plicatas, 12 whites mostly with faint lavender lining of haft. Variable expression of plicata pattern probably explains excess of whites for 3:1 ratio.

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Bluffton, Ind.

DEAR RANDOLPH:

At last I am sending you the data on the crosses between the tall blue and the two color forms of *pumila*. I regret I did not record the height of the seedlings in the two progenies. I would guess the average height at about 12 inches. The tallest seedling was 16 ins. and the lowest was 8 ins. The tall blue is about 36 ins. tall. The two *pumilas* were about 4 to 5 in.

The tall seedling used as ovule parent in these crosses is number 10942, a light blue self that bears no pollen. The *pumila* forms used as pollen parents were number 343, a lemon yellow without fall blotch, and an unnumbered blue seedling having a deeper blotch on the fall.

Tall seedling 10942, light blue self, x *pumila* 343, lemon yellow self.

Fifty seedlings flowered in 1949; they fall in the following color groups:

- | | |
|------------|---------------------------------------|
| 23 whites, | 8 without blotch on fall |
| | 4 with blue, blue gray or gray blotch |
| | 5 with yellow blotch |
| | 6 with green blotch |
| 19 creams, | 1 without blotch on fall |
| | 6 with yellow blotch |
| | 12 with green blotch |
| 8 yellows, | 5 without blotch on fall |
| | 3 with green blotch |

Total without blotch on fall: 14. With blotch: 36. 46 of the seedlings were observed for pollen; of these 20 had pollen and 26 had no pollen. *Tall seedling 10942, light blue self, x pumila blue bicolor*
 43 seedlings flowered in 1949; they fall in the following color group:

19 blues	10 without blotch on fall
	9 with deeper blue blotch
8 whites	5 with blue, blue-gray or purple blotch on fall
	3 with green blotch
7 creams	3 with purple blotch on fall
	1 with yellow blotch
	3 with green blotch
9 yellows	2 without blotch on fall
	1 with purple blotch
	6 with green blotch

36 seedlings were recorded for pollen; of these 15 had pollen 26 had no pollen.

Total without blotch on fall: 12. With blotch: 31.

(Signed) PAUL COOK

(EDITOR'S NOTE: In the above few words is recorded the first instance where green, as a positive color, has appeared in an iris flower. When Mr. Cook says green he means real "leaf green" and not that dirty olive-mustard color that so often results from crosses of bronzes by whites.)



New England group forms Garden Committee.

Front Row (left to right) Mrs. Katherine Storm, Mrs. Charles Stephenson, Mrs. Richard Foster, Mrs. John Bartholomew, Mrs. Preston Corey, Mrs. Thelma Barton, Miss Mary Watkins, Miss Dorothy Gifford and Miss Eleanor Murdock.

Back Row (left to right) Mrs. Americo Nemiccolo, Mr. Americo Nemiccolo, Mr. Richard Johnson, Mr. John Shuter, Mr. Richard Foster, Mr. A. W. Dole, Mr. Geo. Pride, Mr. John Bartholomew and Mr. Allan McConnell.

REGION I FORMS GARDENS COMMITTEE

Region 1 was divided into equal sections by mileage or by number of members and each Gardens committee member assigned a section to visit in their own vicinity.

All A.I.S. members in New England were contacted by double post-card and asked if they would like to have a garden visitor. Their return cards or letters were given to the committee member covering their area together with a list of all the A.I.S. members in their section, a list of the Gardens Committee, a list of the A.I.S. accredited judges in Region 1 for 1950, a reference, a questionnaire and as many report sheets as needed to cover their district. The committee discussed problems they thought might be asked of them and tried to have the answers ready. In fact they had a short briefing, as it were, before going into the field. At least one judge was to visit each committee member's garden and the committee members were to visit as many of each other's gardens as they could after covering their own area.

Many members felt that only the big gardens were ever visited and that it was discouraging not to have someone drop in and visit the other gardens, to talk over problems and swap gardening experiences.

This is our first attempt at such a project and we are interested in the final reports and whether this project will really fill the long felt need for closer contacts for the members.—MRS. THELMA G. BARTON, Mass.

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A good half-dollar iris is the tall English-bred Dogrose (Insole 1930). A 3-year clump sent up eight stalks with from 8 to 12 blooms each, giving a bright lavender-pink glow for 25 days. Medium size flowers that stood rain and wind very well. The slender, almost invisible stems appreciate minimum staking. Elegant in arrangements as it blooms out well in water. Fragrant.—ERNA BERT NELSON, Region 13.

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The alarm clock in my iris garden is Thais, an old French introduction (Cayeux 1926). It is one of the very first of the Tall Bearded to open and hot or cold, rain or shine it literally "rings the bell" with its magnificent display of lavender-pink blossoms. Plant it in front of spirea Vanhouttei with tulips and jonquils at its feet for a lovely spring picture.—G. DOUGLAS, Tenn.

In Memoriam — Dr. Robert J. Graves

On July 12th, 1950, Dr. Robert J. Graves died suddenly at his home, Beech Hill. Dr. Graves was seventy-two years old and his death came after an extended illness.

He was born in Boscawen, N.H., and was the son of Eli and Martha Graves. He graduated from Harvard University in 1900 and from its medical school in 1903. He also studied abroad and in World War I served as a major in the Army Medical Corps.

A member of the American College of Surgeons and the New England Surgical Society, Dr. Graves was also chief surgeon for the Boston and Maine Railroad. In addition, he was medical director of the United Life and Accident Insurance Company.

Bob, as he was known to all in Concord, was keenly interested in the life of his community. He was a past president of the Rotary Club, a past commander of the Concord post of the American Legion. He was a Mason, an Odd Fellow and was a member of the South Congregational Church. He is survived by his wife, Helen Graves; a son, John J. Graves, of Hopkinton; three daughters, Mrs. Katherine Larmon, of Hanover, Mrs. Jane G. Howard, of Concord, and Mrs. Robin Koch, of Katovah, New York.

In the culture and breeding of irises Dr. Graves found recreation and enjoyment. He succeeded in interesting the city officials in Concord in public plantings of iris and much was accomplished toward the beautification of the city. He was active in the affairs of the American Iris Society having served as chairman of the Awards Committee, Vice-President and as a member of the Board of Directors.

His efforts toward the creation of new and better flowers brought him great success. He began hybridizing in 1931 and his interest always centered around the whites and blues. His greatest success was the iris Helen McGregor, a light ruffled blue, which brought to him the highest award given to an iris variety, the Dykes Medal.

Other Graves introductions include And Thou, H. M. 1942, Admiral Nimitz, H.M. 1948; Cloud Castle, H.M. 1944, A.M. 1949; Corporal Mary, H.M. 1949; Franconia, H.M. 1942; Junior Miss; Kearsarge; Lady Boscawen, H.M. 1946, A.M. 1948; Lady Louise, H.M. 1947 and Snow Carnival, H.M. 1942, A.M. 1944. His last two introductions Helen McKenzie, a sparkling crystal white, and Jane Phillips, a clear medium blue, both received the Honorable Mention award in this year's voting.

THE AMERICAN IRIS SOCIETY

Meeting of Directors

Hotel Martin, Sioux City, Iowa, June 9, 1950

President Guy Rogers called the meeting to order at 8:30 P.M.

Present: Directors Franklin Cook, Geddes Douglas, Joe W. House, Harold W. Knowlton, Matthew C. Riddle, Carl Schirmer and J. E. Wills, also guests L. F. Randolph and W. F. Scott, Jr., and Mrs. Ralph Ricker.

Mr. Knowlton moved that since the minutes of the previous meeting had been published in the BULLETIN that their reading be dispensed with. Dr. Cook seconded; passed.

Mrs. Ralph Ricker served as Chairman of the Meeting of the Regional Vice-Presidents which was held previous to the meeting of the Board. The following recommendations made by the R.V.P.'s were read to the Board by Mrs. Ricker.

1. That the national Society participate in certain expenses incident to the annual Meetings of the Society such as printing, postage, etc.
2. That part of the Annual Membership Dues be set aside and left in the separate treasuries of the various regions.
3. That a handbook for Judges and RVP's be published as a supplement to the BULLETIN.
4. That show materials, schedules, handbooks, etc., be revised and published at an early date.

President Rogers thanked Mrs. Ricker for her report and asked the Secretary to include these items in the Agenda for the Board Meeting.

The question of advertising in the BULLETIN was discussed at length. It was decided to raise the rate of advertising and the Board appointed a special committee consisting of Joe House, Carl Schirmer and the Editor, for the purpose of studying rates and policies of BULLETIN advertising. The Board asked for a report from this committee at the fall meeting.

The following financial statement and proposed budget was presented by Secretary Douglas.

Report from the Central Office—June 1, 1950

TOTAL RECEIPTS (Jan. 1, 1950 to June 1, 1950) \$13,413.50

MEMBERSHIP—

2090 Renewals @ \$3.50 (+ 1.50)	\$7,316.50
442 New @ \$3.50 (+ .50)	1,547.50
181 Sustaining @ \$5.00 (+ 3.50)	908.50
209 Family @ \$5.00	1,045.00

BOOKS—

87 Cloth The Iris @ \$2.50	217.50
191 Paper The Iris @ \$1.50	286.50
22 The Iris in cloth binding discontinued . .	61.93
17 The Iris in paper binding discontinued	19.12
21 Iris Their Culture & Selection	63.00
64 Iris for Every Garden	192.00
33 Check Lists	99.00

INCOME FROM OTHER SOURCES—

Bulletins (surplus stock of back issues)	61.50
AIS Members to The Iris Society (England)	74.10
Advertising	455.09
Registrations	202.00
Exhibition Committee	59.37

MISCELLANEOUS—

Overpayment by members refunded by S. G. Douglas & Co., out of Petty Cash, Membership Lists, etc.	804.89
	\$13,413.50

Inventory

484 Check Lists
252 The Iris (cloth-bound)
669 The Iris (paper-bound)
8 Irises Their Culture & Selection by Mrs. Anley
12 Iris for Every Garden by Prof. Mitchell

Membership as of June 1, 1950

Renewals (ordinary)	2,090	
New Members	442	
Sustaining	181	
Family	209	
Canadian	71	
Membership paid in 1949 for '50 & Life	503	
		3,496
English Members (who have not paid for 1950)	50	
Delinquent Memberships	850	
Memberships for persons joining in July, 1949 (these are not yet due)	362	
		1,262
Total Membership		4,758

Expenses for 1950 (Estimated)

January	\$1,014.29
February (January Bulletin & Membership List)	3,229.51
March (April Bulletin)	3,454.63
April (\$300 refund from S. G. Douglas & Co.) ..	607.65
May	883.61
	\$9,189.69
July & October BULLETINS	3,200.00
Estimated postage, rent & salaries for 7 months	4,215.00
Supplies & special mailings	400.00
Total	\$17,004.69

Income for 1950 (Estimated)

Receipts (to date)	\$13,413.50
350 Renewals (January) estimated	1,225.00
250 Renewals (July)	875.00
541 New Members (actual number from June through December of last year)	1,893.50
Total	\$17,407.00

Mr. Schirmer moved that the report be approved, seconded by Dr. Riddle: passed.

On a motion by Mr. House and seconded by Mr. Wills it was moved that the Chairman of the Awards Committee be authorized to continue the H. C. Award under the present rules and to so instruct the Registrar-Recorder. Motion passed.

Dr. Cook moved that the Chairman of the Awards Committee and/or the President of the Society be authorized to make final appointment of all types of accredited judges upon recommendation by the Regional Vice-President. Seconded by Mr. Wills, the motion passed.

Mr. Douglas read excerpts from a letter from Mr. Tom Craig concerning registrations. The Secretary reported that Mr. Craig has been making selections from his seedlings for a number of years but had not exercised his privilege of registration and therefore wished to register more than the limit of ten for the year 1950. Upon motion by Dr. Cook, seconded by Mr. Wills, the Registrar-Recorder was authorized to accept registrations from Mr. Tom Craig for the year 1950 not to exceed 20 of any one classification.

Mr. House moved and Dr. Cook seconded a motion to accept an offer from Mr. Melvin Geiser of a quantity of old varieties to be planted by an agency of the Society in order that these varieties should

not pass out of existence. Further on a motion by Mr. House, seconded by Dr. Cook, the Board accepted an offer from Mr. Wm. A. Kolb speaking for the Kansas City Iris Society, to plant and maintain the varieties donated by Mr. Geiser. Both motions passed.

Upon motion by Mr. Wills, seconded by Mr. Schirmer, the special committee on Exhibitions was authorized to proceed with the reorganization of show procedures and materials recommended by Mrs. Fern Irving and presented to the Board.

Mr. Scott presented a report from the Membership Committee which was approved on a motion by Mr. Douglas, seconded by Mr. Knowlton.

The Board approved a report from the Scientific Committee presented by Dr. Randolph. And on a motion by Mr. Knowlton, seconded by Mr. Wills, Dr. Randolph was instructed to contact Dr. George H. M. Lawrence who, acting for the Bailey Hortorum, is in charge of preparing a new classification of the iris family, and respectfully suggest that Dr. Lawrence formally submit his new classification to the proper committee of The Iris Society (England) for their consideration.

The Secretary reported to the Board that since its inception the expenses for the President's Cup have been borne by Dr. Cook. Upon a motion by Mr. Wills, seconded by Mr. Douglas, the Board authorized payment from the Society's funds for the small cup awarded as a permanent gift to the hybridizer of the winning iris. The large cup which rotates each year to the winner was a presentation to the Society from Dr. Cook.

Upon motion by Mr. Schirmer, seconded by Mr. Knowlton, the meeting adjourned.

Respectfully submitted,

GEDDES DOUGLAS, *Secretary*

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CONGRATULATIONS DR. R. E. KLEINSORGE!

Word has just been received by the BULLETIN that the Foster Memorial Plaque has been awarded to Dr. Klinesorge for his outstanding work in hybridizing irises. This award is made by the Royal Horticultural Society and we take special pride in seeing the creator of the famous polychrome blends so honored.

ERRATA:

Bulletin 117, pages 17 and 18. Varieties should be:

New Orleans (Debaillon-Dormon)

Gulf Sunshine (Debaillon-Dormon)

Mary Debaillon (Debaillon-Dormon)

page 31 Dan Debaillon (Dormon): not a collected variety

page 17 Saucy Minx—not Saucy Mix.

REGIONAL REPORTS

REGION 1—RVP, MRS. PRESTON COREY, Mass.

This morning, close to the date limit for my regional report, the wood thrushes are caroling in the pine woods, while a soft rain falls. A few daylilies brighten the garden, but drought and cold nights are far from their liking, I find, and all in all, iris is still the star performer. Iris foliage is browning badly and spotting. This is proof that the faithful spraying with Phygon last season was a great help in combatting this disfiguring disease. Country surroundings and morning mists seem to foster leaf spot. While I can recommend Phygon, unfortunately I am poisoned by it, so I guess that I will have to wear gloves all the time or have leaf spot.

Our "season" really started in January with a "Get Acquainted" meeting. Name tags and refreshments helped 75 members to keep circulating. We enjoyed Fred Bartholomew's beautiful slides of New England and a very congenial group stayed until late, and the friendly atmosphere endured throughout the later meetings.

In February a "Dwarf Iris" program was held. Mr. Walter Welch kindly loaned us his slides and wrote us of his work with the dwarfs. Several skilled members talked on methods of culture and fertilizers.

In March the subject was "Hybridizing" and interesting and informative letters from Messrs. Wills, Lapham, DeForest and Watkins were read. The Merrys showed their fine pictures.

At the final, April, meeting, Mr. Kenneth Smith came especially to tell us about the English gardens he had visited. His talk was illustrated with excellent kodachromes. Those of Mr. Harry Randall's beautiful garden were particularly lovely, the iris perfectly grown. We were thrilled by slides taken on a wonderful trip to Switzerland and the views in Mr. Smith's own garden on Staten Island, showing the new additions and fine growth resulting from his careful culture.

At all our meetings door prizes were donated by members, an additional prize of dwarfs being given for the February meeting by Mr. Robert E. Allen.

Three new projects were planned: a Region 1 collection of slides under the direction of Mr. Fred Bartholomew; a "Gardens Committee" with Mrs. Thelma Barton as chairman of a large committee, whose program was to visit as many as possible outlying and little known gardens of members. A program this fall will be devoted to these reports. The last project was an iris auction as a means for raising the ever-needed dollars. Under the most able chairmanship of Mr. George Pride, who is also Editor of the Region I Bulletin, the sale was held in early July. Most generous donations were made by members

and with our genial Mr. "Mandy" Barker as auctioneer, assisted by Messrs. Allan McConnell and Charles Johnson, everything was sold to the tune of \$309.00 for our treasury, and a sense of financial ease for our minds.

Our Editor has asked that this report be of moderate length, so for those interested in detailed garden reports, I refer them to the Summer issue of Region 1 Bulletin.

Briefly, our "well laid plans" conflicted with the last minute changes at Sioux City. Mr. and Mrs. Knowlton had to hastily revamp their program but still entertained the group in the garden and at luncheon the day they were leaving at three o'clock for the Annual Meeting. It proved to be the perfect date after all, the weather, as usual, playing tricks. Many fine new introductions and Mr. Knowlton's own Quechee and Kezar Lake were in excellent form.

Earlier in the day we visited the garden of Dr. and Mrs. Lowry. Bloom not quite at peak, was fresh and lovely. Violet Harmony and Yellow Diamond are two excellent seedlings; Autumn Brown a most popular late one.

At Mr. Barker's you can see all the reds in one bed, for comparison. He grows about everything of Mr. Lapham's, also Mr. Cook's. The pinks, too, are placed by themselves. In these two colors, it seems leisure for close study is important. Bonny (Lapham) in a large clump, was admired and Mr. Barker had rows of pink seedlings.

At The Merrys', at the close of the afternoon, the long view from the shade of the apple trees was most alluring. In the garden a large clump of Wave On, a seedling of Mr. McKee's, was outstanding and other varieties were in fine growth.

Dr. and Mrs. Fraim's garden was, as always, lovely. Here, "Perfection" is the motto. Several seedlings were worthy of particular note.

At "Win" Wheeler's garden in Framingham you find a collection of the latest and finest iris varieties from many originators, all well grown and displayed.

Never have I seen the McKee garden in lovelier bloom, nor a finer display of seedlings from his careful hybridizing. Deeper oranges, bluer blues and whiter whites vied with each other. Notable were Mayan Gold, Temple, Annabet and the newly introduced blue, Ponder.

The less said about the visit to this garden in Reading, the better. Briefly, it was HOT and it blew a gale. For the first time, iris went over; just hopeless.

The group visited Mr. Fred Bartholomew's nice garden, which was better protected and saw well grown iris in a mixed planting.

Earlier in the day Prof. Harrison's planting at Bedford was seen. Here, a fine collection of very new iris are grown in field rows.

On Sunday, fortunately the wind had abated and Fairmount Gardens

entertained a large group. A large selection of the newest named varieties and a generous number of seedlings from several well-known hybridizers, Messrs. Wills, Douglas, H. F. Hall, Graves and Knowlton represented. Mrs. Nesmith's 45-30M was a fine russet tan. The new Graves' introductions, Jane Phillips and Helen McKenzie and Corey's Jack Frost were popular. Golden Rule (H. F. Hall) is a superior late, deep yellow.

After luncheon under the apple trees, the anticipated visit to the Stedman Buttrick garden was made. It is becoming popular to see "What has been added this year," and a charming, small waterfall with a circular pavement in front and stone stairway, were a well planned new unit. You will have to visit this perfect garden in '53 to realize any picture of it. To see it alone will be worth a visit from anywhere.

Several whites, two lovely violets and an unusual flaring, pink seedling were of particular interest in the seedling beds.

The memory that will always be dear to those who visited Hopkinton, N.H. this year, is that of Dr. Graves, surrounded with seedling blooms, note books and labels, busy and happy in his garden again. Four of us went up the day before the planned garden visit and will always treasure the remembrance of that lovely day. "Ed" Watkins was there, of course. It wouldn't be the Graves' garden without him. The display of white and blue seedlings of superior beauty was sheer bewilderment.

Our last, lovely visit was to Cape Elizabeth at Dr. Tobie's invitation. Always a garden of individual beauty, it seemed to surpass itself this season. Perfection of growth and bloom, Doctor Tobie's kind hospitality, all made a season's close to long remember.

REGION 2—RVP, M. J. BROWNELL, N. Y.

I find it difficult to interest members in Regional activities, where there has never been any regional activity before.

My first letter in April with instructions on the membership contest with a questionnaire enclosed, sent to 96 members, received only 18 answers. To my second letter in May I received about 50% returns.

On August 1st we had 36 new members. A little better than one third increase, which is very good with so few showing interest in the contest.

The one activity showing the most interest at present is Mrs. C. M. Zirbel's Letter Robin, which at present has 26 members in three groups. A get-together has been called at Ithaca on September 17th with Dr. Randolph as speaker and Col. J. C. Nicholls as honorary guest.

Miss E. M. Bradley, Cumberland Head, Plattsburg, has accepted leadership of an Exchange Club, in which members may exchange surplus irises. All members of this region who are interested in exchanging are to send her a list of their surplus and want list and she will correlate them.

Mrs. Ross L. King of Camillus has been appointed as chairman of a committee, the duties of which are to work with the Federated Garden Clubs of this region, to encourage shows at iris time where the American Iris Society awards may be given.

Plans are under way for three winter meetings—one at Buffalo, one at Syracuse, and the other at Binghampton.

I hope that with better co-operation I shall have more to report next year.

REGION 3—RVP, JOHN C. LYSTER, Penna.

This district, including Pennsylvania and Delaware, is not iris country. The soil is very heavy, the air is ordinarily very moist, and borer and rot are quite prevalent unless unusual precautions are taken. The weather of the 1950 season in addition was decidedly poor—no snow, a warm winter, and a cold wet spring. But despite all of these deterrents, it wasn't a bad season at all, and visits to a number of gardens confirmed our belief that good results can be obtained here.

Edwin L. Palmer is probably the senior member from this section of the state. He holds his eighty years very well and is one of our real iris enthusiasts. A good rich soil in a former vegetable garden and a gentle slope to give him excellent drainage, enable Mr. Palmer to show fine clumps of such universal favorites as Master Charles, Klondyke Gold, Arab Chief, Red Valor, Old Parchment, Shannopin, Orchid Lady. His homemade stakes show clearly each iris' standing in the various symposiums and he has a large percentage of the current hundred best.

One of the highlights of our visits to various growers was the garden of Mr. and Mrs. Clymer in Wilmington, Delaware. Mrs. Clymer recalled very distinctly the AIS convention in her city some twenty years ago, and pointed out a bed of the old red Dauntless, which had been the center of attraction in that day. The Clymer home is surrounded by tall trees with a spacious lawn beautifully landscaped, and iris wherever there is sufficient sunlight. A fine display of Gudrun reminded us that this old variety still puts on a grand show at its peak, and it was good to see many other standbys of the twenties and thirties. The Clymers also have a number of modern iris and I recall that Mulberry Rose was outstanding among them.

When you are handicapped for room to plant iris, sell your neighbors on allowing you to grow your surplus on their properties. This is apparently the policy of J. D. Bolger, an AIS judge and hybridizer in the city of Norristown. He has used every available inch in his own yard, and neighbors on either side of his home are just as interested as he is in his overflow crop growing on their grounds. Five hundred and fifty of his recent seedlings are started in the yard of another neighbor a block away. Solid Mahogany, Black Banner, Blue Rhythm,

Cascade Splendor and Mr. Bolger's favorite, Vatican Purple, are five which bloomed excellently for him.

In the eastern end of the same town is the hilltop garden of Mrs. Gustave Landt, containing a number of the newer iris. Garden Glory, which has been only a mediocre performer for the writer and other growers here, was giving a stellar exhibition on the morning of our visit. Others we remember included Pink Cameo, Snow Flurry, Loomis SQ72, and a fine upright clump of Golden Eagle, which usually sprawls badly for us.

John Wister, the Society's first president, has moved all of his modern iris to a new spot on a hill a half mile from his older beds on Swarthmore College grounds. This was not a good season for first year plantings generally in this area, but Mr. Wister's showed up very well in their new location, with the possible exception of an occasional short stalk. He is very pleased with his new venture and this garden will be a "must" for visitors to this district in 1951.

Mrs. W. T. Lemmon has a beautiful display in Ardmore on Philadelphia's suburban Main Line. An excellent clump of National White—the blooms were enormous—caught the writer's eye from the nearby highway in '49, and this year the combination of Sable, Casa Morena, Sonrisa, Ranger, Inspiration, Blue Shimmer and Ola Kala helped to form a perfect picture.

In the Bethlehem area is Cherry Hill Farm where Oliver Holton specializes in iris and exhibition poultry. The latter include the French Faverolles with beards and an extra toe on each foot, and beautifully laced Silver Wyandotte Bantams. We have always been told that poultry droppings were too potent for use as an iris fertilizer, but Mr. Holton obtains fine results as to size and vivid coloring with his iris, so it is quite possible that he has found a way to use a by-product of one hobby as a means to success with another. Lady Mohr, which does not ordinarily thrive in Pennsylvania soil, was exceptionally good here, as were also Chivalry, Franconia and many others including a topnotch clump of Amigo, which did not lack either height or stalk or size of bloom.

We have purposely left Professor Dolman's home in Swarthmore until the last in our discussion because it is definitely a Mecca for all visitors during the blooming season. Annual trips to New England have enabled him to pick out the better recent creations of hybridizers there such as Miogem and Augusta from McKee, Knowlton's red Quechee, and the bright blue Kiltie of Dr. Graves, which are seldom seen in other gardens. Headliners like Blue Rhythm, Cascade Splendor, Amandine, Helen McGregor, Cherie and Russet Wings help to complete a very artistic color arrangement. In his writings, Dr. Dolman seldom speaks about his own seedlings but this is because he is modest for

there are a number with real merit. His Black Ruby and Bisque are quite widely known, but we think Captain Flint, a fine rose purple, Spanish Cream (it has the color and substance of the dessert by that name) and Kathie Dee, a pink which is somewhat deeper in color than Manyusya, should all go places. In addition, there are a number of excellent pink and blue numbered seedlings which have shown promise, but which the Professor feels need further testing.

REGION 4—RVP, LOUIS R. McDONALD, VA.

Our first Regional Meeting was held at the Elks Club in Roanoke, Virginia, on May 15, 1950. Thirty members were present for the meeting and garden tour. A letter was read by Mrs. George Steedman from the A.I.S. office in reference to the duty of the judges. We had an open discussion on the happenings and plans for the coming year. Plans were made for a Bulletin to be published for our region and a letter to be sent to each member for notes and articles on iris for the Bulletin. We were unable to make up a committee of Chairmen on various committees, due to being scattered in the four states of our region, so I decided to act for all the committees this year. The meeting was closed with plans for our meeting to be held in Washington, D.C., 1951.

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The beautiful landscaped garden of Mr. J. P. Fishburn was admired by all, for the lovely planting of shrubs, azaleas, rhododendrons and hybrid peonies, leading to his large planting of iris. Here you would see introductions by all the hybridizers and growers. The favorites of his garden were clumps of Jake Hi-Time, Radiation, Gay Orchid, Star Shine, Golden Russet, Lela Dixon, Sunny Ruffles, Miogem, Augusta, Rocket, Blue Rhythm and Ola Kala. You can always find something in bloom and a welcome at this garden.

In Mrs. F. Allen Brown's lovely garden in Western Hills, Roanoke, was seen a wealth of beauty. There were nice clumps of Helen McGregor, Garden Glory, Amandine, Purple Royal, King High, Ranger, and many of the newer irises.

Mrs. C. A. Herbert's garden at Roanoke, Virginia, had well planted clumps of beautiful iris. Of these were Helen McGregor, Amandine, Desert Song, Blue Rhythm, Argus Pheasant and Pretty Quadroon.

The garden of Mrs. Dorsey Overstreet at Vinton, Virginia, was in full bloom with countless numbers of Flamingo Pink seedlings, of her own hybridizing. Most of these were blooming on second year plants. Mrs. Overstreet had some 90 or so numbered for further testing. Mr. Harry Randall of The Iris Society (England) was very much interested in these and told her to recross several of them for a better pink. I was very much disappointed in not meeting Mr. Randall this year, but

he was leaving Roanoke the morning of our meeting for the A.I.S. meeting.

The iris of interest in Mrs. Overstreet's garden were Lady Mohr with 24 bloomstalks on a two year plant. Lady Mohr also had four bloomstalks that were frozen by cold weather last December. Ormohr and Elmohr also bloomed in full glory. The Mohrs are among my favorites. Lavender and Gold Lace, Winter Carnival, Sable, Black Forest and several of the Hall Pink seedlings were beautiful. It looks as though Vinton, only a few miles from Roanoke, is better suited to growing iris and is always a week or ten days earlier.

Mr. E. C. Howell of Vinton also had a nice collection of iris and several beautiful plicata seedlings.

I had not met Dr. J. W. Palmer, our former vice-president, until July of this year. While on vacation I visited Dr. and Mrs. Palmer in Arlington, Virginia, and though the iris season was over we had a long chat on iris. The Palmers and I visited other members and their gardens there and in Maryland. That night he showed a great number of his slides in full color and of his iris.

He had some seedlings of Elmohr, which were very nice looking, which he wishes to introduce. Among these seedlings were some nice golden yellows and pinks. Dr. Palmer could not stop at hybridizing iris. He also has a large collection of azaleas and rhododendrons, which he hybridized. Among these were some lovely colors, and the florets were larger than tea cups. When I left Dr. Palmer gave me some of his seedlings and so now I can hardly wait until spring to see them bloom in my garden.

My visit to Mrs. C. F. Roberts at Norfolk, Virginia, was a very pleasant one. We visited the gardens of Mr. Geo. L. Bonney, a new member to the A.I.S., and Mrs. G. B. Rice. They had a beautiful garden on Edgewater and a large planting of iris. A visit to these gardens is worth a trip to Norfolk.

Mrs. Roberts' and Mrs. H. T. Aycock's gardens join and they had a nice collection of iris, azaleas and camelias. Camelias grow in Norfolk like they do in the southern states. I am sorry that they will not grow in Lynchburg, for I would have to grow them too.

I am sorry not to have met more of the members of region four this spring, but I hope to be able to have them all join us in Washington, D.C., in the spring of 1951.

I want to thank the members of this region for the many interesting letters and for their kind and helpful suggestions in my first year as R.V.P.

I shall be looking forward to spring '51 and to seeing members and their beautiful gardens at iris time.

REGION 5—RVP. MRS. WILLIAM T. WOOD, Ga.

The mid-May meeting of the North Carolina Iris Society held atop the famous old Battery Park Hotel in Asheville, N.C., was well attended, full of interesting visits to gardens, reports submitted, talks by various members, cultural notes, suggestions as to increase membership and the usual talk when iris fanciers get together. Mr. R. W. Shoffner is the inspiring leader of this enthusiastic group; under his able management the Society has materially increased its membership, is planning the regular publication of a Bulletin, and an annual meeting with members attending from all over North Carolina, and as there are members in all parts of the state, this is no mean achievement.

The Vice-President of Region 5, with Mr. W. T. Wood, had the pleasure of attending this meeting. Your R.V.P. was guest speaker and left the meeting greatly encouraged and with bright hopes for progress in Region 5.

The following quotation from one of the Charlotte papers will further indicate Mr. Shoffner's iris activities:

"Iris Club Hears Shoffner"

The North Carolina Iris Society and the Charlotte Iris Society held a joint meeting Wednesday at the Mecklenburg Hotel with Mrs. C. A. Oscar, third Vice-President and membership chairman presiding. Mrs. H. Commor Sherrill, president of the Charlotte Society, gave the invocation; and Mrs. Oscar gave a brief history of the state organization which now has two hundred and seventeen members, eighty-eight of whom are Charlotteans. Mrs. Oscar recognized Miss Elizabeth Lawrence, second Vice-President of the North Carolina group. R. W. Shoffner, of Raleigh, president of the North Carolina Iris Society, was the guest speaker and was presented by Mrs. Oscar. Mr. Shoffner, author, lecturer, and horticulturist, is also an accredited judge for the American Iris Society, a tester for the Mens Garden Club of America and a member of the Roadside Development Council of North Carolina.

For twenty-three years with the Agricultural Extension Service of North Carolina State College, the speaker has grown from six to seven hundred varieties of iris. He talked on the unification of house and grounds and showed color slides of old and new iris. He showed how flowers and shrubbery add to the beauty of the homestead and urged gardeners to grow new strains of iris by cross pollination and planting of seeds. Of special interest was Pop Corn, a yellow iris developed by the speaker.

Iris shows in co-operation with the A.I.S. were held in Macon, Georgia and Jenkinsburg, Georgia. Practically all of the spring shows in Region 5 featured iris sections. The famous rose show in Thomas-

ville, Georgia, the Spring Shows in Gainesville, Griffin and Atlanta to mention a few.

Spartanburg, South Carolina, held a very beautiful and successful show, which they plan to make an annual event. The opportunity to see all of the new irises and receive inspiration from this garden in a class by itself is afforded to the members in Region 5. The lovely Blake garden is near the center of the Region and the new irises may be seen in a beautifully landscaped setting.

Schedules are being prepared now for 1951 iris shows. Chairmen, please submit your schedules early to Mrs. Fern Irving, of 4612 Saratoga Avenue, Omaha 11, Nebraska. After receiving her approval, you may hold your show in co-operation with the American Iris Society who will make available the Society's silver and bronze medals and one year's membership in the A.I.S.

To the judges of Region 5, my sincere thanks for your splendid co-operation in making regional performance ratings early. Congratulations on your good judging in our shows and with warmest wishes for a most interesting and successful season in 1951.

REGION 6—RVP, MRS. GEO. D. ROBINSON, Mich.

Because of several interesting and important developments in 1950, a feeling of expectancy prevails throughout Region 6.

Foremost is the astonishing increase of interest in dwarf iris, sparked by new accomplishments at the Welch Dwarf Iris Test Garden at Middlebury, Indiana, and the consequent establishment of the new Dwarf Iris Society—whose charter membership is already well over the hundred mark and includes members from England, Australia, New Zealand and Canada as well as from nearly every state in the Union. Establishment of a definite dwarf Classification, a Scale of Points and Judging System, a new set of Dwarf Awards (including the new Caparne Award similar to the Dykes for tall bearded), an official Chairman of the Dwarf Iris Committee, an official Test Garden and Dwarf Judges—all these are worthy of note, particularly in view of the complete apathy shown toward Dwarfs until about two years ago!

The season quite properly opened in Region 6 with a visit to this Dwarf Iris Test Garden—a visit delayed two weeks by the vagaries of spring weather—a visit which, as the day wore on, resembled a little regional meeting. Present were Paul Cook and Greg Lapham, Ede and Walt Buss, of Edenwald Gardens, Vincennes, Indiana; Wilmer Flory, of Logansport, Indiana (who is also Chairman of the Evaluation Committee of the Hemerocallis Society); Mr. and Mrs. Jay C. Ackerman (Jay is our regional secretary-treasurer); Clarence Jonas of "green iris" aspirations; Mrs. R. G. Greenlee, of Chrisman, Illinois, an indefatigable worker in the intermediates cause; Walter Welch and "us Robinsons."

During the day other visitors appeared, among them the Harrels, of Aurora, Illinois. Although Dr. Randolph and Geddes Douglas had planned to be there with us, the change of dates conflicted with earlier plans.

While peak bloom did not appear until the middle of the following week, there was still plenty of material for stimulating and informative discussion, for among the many opened seedlings were practically all types of hybrids possible between the various species. Of particular interest were two rows of seedlings predominantly of *I. pumila* blood—some the most nearly true blue yet seen in iris, blue selfs, bitones and neglectas; a few were deeper shades of violet and an occasional true variegata, very diminutive and of good form. Walter's new Primus, the first real dwarf variegata, won most of the applause with its clear yellow standards and rich red, perky falls. It is believed to be an even better dwarf than his green amoena, Blarney. Paul Cook's fine Violet Gem was a close second, and his 1950 introduction Blue Band—a lovely, clear campanula blue—is very fine.

Nature was kind; and gave us a clear, sunny day, with a hint of warmer weather; after lunch and numerous tours through the many rows of seedlings and borders of named varieties and species, we all sat down on the sloping lawn and talked irises and hybridizing—theories and developments, from wishful thinking on through assurance, to definite promise—until late afternoon. These informal gatherings are rich in meat and delightfully enjoyable.

That the eyes of the iris world are on the dwarfs is evidenced by Walter's ever-increasing correspondence with dwarf enthusiasts from the four corners of the earth, including a request for an article for the *English Year Book*. A meeting of the Dwarf Society members and friends has already been suggested, to be held at this unique and lovely garden.

A second visit to the Welch garden, although too late for the main tall-bearded show, proved that the award of High Commendation given Walter's new Blue Blazes at the 1949 regional meeting (then a seedling) was well deserved. Introduced in 1950, Blue Blazes is a fine iris and promises to be popular—a medium blue with a rich orange-yellow beard, of huge size, semi-flaring form and smooth color, with excellent branching. Several all-white seedlings showed dark blue and purple beards. Mrs. Horton's Golden Symphony rang down the curtain with a fine performance—the last to bloom.

The second exciting development in the region is the "new blue" appearing in Paul Cook's garden, as reported by Dr. Randolph recently. Paul led us to a row of intermediates which were bagged, and as he withdrew the covering which hid the bloom, asked casually and with becoming modesty, "Tell me what you think of these—do they look at all blue?" The result was startling—not the blue from which *some* of

the red or gray had been removed but a shade of blue so clear and clean that it appeared almost green! And such is the blue which comes from *I. pumila*. Another was a warm white. Half a dozen had white ground with a central spot on the falls and haft giving a pattern in various shades of green, chartreuse and warm violets, and amoenas which are not from *amoena* breeding! All of these are entirely new in iris, their wide, horizontal falls and slender proportions a unique gift to garden borders.

The third development is the introduction of several fall blooming irises from the seedlings of Greig Lapham—indication of his faith in sufficient progress to offer them to the iris world. These are not the “occasional” fall bloomers, but a new race of dependable and reliable ones, following years of careful and tireless breeding with that end in view. Also important is his long, patient work to bring forth a red so fine as his new Pacemaker—that splendid red self, smooth and glowing, with clean haft and rich beard, good branching and sturdy stem. Too, his new Paradise Pink was a center of attraction; it is a clear, clean pink with no markings, heavy substance and some ruffling, fairly deep in color, with a red-tangerine beard. His seedling C-13, with wide, flaring falls, ruffled and with five strong branches, is almost as good.

The fourth development is a complete surprise even to most of us in the region—a new strain of Japanese irises developed by Mr. W. A. Payne, of Terre Haute, Indiana, who has been quietly working for about eighteen years and has, according to Walt Buss who reports on these elsewhere, succeeded in “out-Higoing the Higo” strain, long considered the ultimate in Japanese irises.

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Our regional meeting at Columbus, Ohio, arranged for us by the well-known Columbus Iris Society, inaugurated the new program of annual regional meetings. Since Winter lingered over-long in the lap of Spring, the meeting was postponed one week. Region 6 is one of rather long distances, and some members could not, because of the change in plans, make the drive of from 300 to 500 miles required. However, nature outdid herself with a week-end of perfect, warm and sunny weather. The iris were at peak bloom at Columbus, and the Columbus Iris Society—friendly, vigorous and hospitable—put on a marvelous specimen show and presented numerous fine gardens. Probably the highlight of the meeting was a surprise regional recognition award to Mrs. Silas Waters, our former Regional Vice-President for nearly twenty years. This was in the form of her choice of any iris to be obtained; recently she wrote that she had decided on Muhlestein’s Pink Formal—a very fine iris.

Of the fine gardens seen in Columbus, quite fittingly the top honor must go to that of Mrs. Paul R. Stephan, the Society’s president, for the

greatest number of superbly grown varieties. Clumps of Desert Song, Helen McGregor, Solid Mahogany and a host of newer ones would make their originators proud. A fine planting of Chiquita will long be remembered, and Don Waters' new Blue Parrakeet, which is so well-liked, showed beautifully in a small clump.

The 1951 regional meeting will be held in the Battle Creek-Kalamazoo (Michigan) area, where with a little helpful co-operation from the weatherman such irises as Helen McKenzie, Corporal Mary, Technicolor, Blue Rhythm, Cahokia, Blue Valley, Pink Salmon, Spanish Peaks, Sierra Lakes, Syllabub, Mimosa Gold, Twilight Sky, Pinnacle and a number of new David Hall introductions, along with many others, may be seen.

Eventual fall meetings are planned too—these pointed toward the theory, study and practice of iris hybridizing, now reaching a new height. Walter Welch is Hybridizing Director of Region 6.

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En route to Columbus a stop was made at the Wickersham planting at Urbana, Ohio, which is a collection of fine new varieties, but since this is north of Columbus only a few irises were in bloom. The best appeared to be Twilight Sky, Carabella and apricot-toned Treva. Many new ones, like Carl Taylor's Pink Matron and Violet Bright, were not fully open, and could not be judged.

In the fine garden of Don Waters at Elmore, Ohio, the finest iris of the year was Miss Faught's Cahokia—definitely the bluest, particularly through the haft and style arms—large, well-formed and tall with excellent branching. This is an iris to be proud of. Muhlestein's Pink Salmon was the pinkest and best of the pinks which bloomed; tall, well formed and of good size, its lovely color is exactly what the name implies. Manyusa made a fine clump of color, and Paul Cook's new Pink Bountiful is an excellent orchid pink of broad falls and good form. Kleinsorge's Sunset Blaze was indeed a blaze of color; but more like Cordovan than we expected.

Even with all the fine named varieties, the Waters' seedlings about stole the show. His seedling No. 149, a grand white, seemed to the judges to have even more style and beauty than New Snow or Spanish Peaks. Seedling No. 150, from Casa Morena x Good News, he calls Molasses, for he says it is exactly the color of molasses when poured from a pitcher. It is very flaring, with lots of style. Other seedlings were huge, deep yellows and a very unusual one with pink standards and lemon falls with red beard—from pink breeding.

Wilmer Flory, of Logansport, Indiana, has an imposing list of irises, beautifully grown. Amandine took the honors easily, but with Color Sergeant, Mattie Gates, Pinnacle, Rose Splendor, Danube Wave, Blue Valley, Blue Rhythm, New Snow and Helen McGregor not far behind.

Lilac Lane, one of my favorites was delicate and smoothly serene. Fay's new Truly Yours is one of Wilmer's favorites, and Leading Lady of Lyell's which somewhat resembles it. He reports as outstanding the new Buss irises Vista Veronica, Benediction, Aztec Indian and Pink Talcum—a finer and sturdier-growing Pink Cameo.

These new things of Walt Buss of Edenwald Gardens on the banks of the Wabash at Vincennes, Indiana, are winning favor in far places. His plicata Masked Ball, considered by David Hall as the outstanding seedling of 1948, is almost a reverse amoena, so definite is its coloring. Its name appears fourteenth in the new list of 'Favorite Iris Names of 1949,' July BULLETIN. Benediction, a 1950 introduction, is a lovely thing of blue-rose color, luminous sheen and smoothly tailored form. Watch for this one.

Walt has some fine new blues from Chivalry, Lake George, Distance and Sylvia Murray as well as Great Lakes, and some rich, dark reds, purples and fine new pinks. He reports that he liked Mary Randall, Fay's new unIntroduced seedling, most of anything in the Chicago area. Harry Randall, the visitor from England, who came to the Buss garden with David Hall, liked his Masked Ball and Pink Talcum.

While larger iris gardens may be found, none is lovelier than that of Mrs. Silas Waters at Cincinnati, Ohio. The landscaped effect of these perfectly groomed terraces is superb, and the panorama of glowing color is a masterpiece not soon to be forgotten. It is one thing to create a beautiful garden on level ground or on a gentle slope, but to take a steep hillside and by sheer determination, hard work and vision to create a rich and fertile garden of shade and sunlight, of perfectly grown irises, roses, lilies and clematis, reflects the years of slow and constant work culminating in sheer artistry—whose apparent ease of composition belies the long and patient toil.

Amandine was the finest of the cream irises here, with Vision Fugitive, of fine form and strong stalk, second. Bay State, the lovely blue of Mrs. Corey's, opened in candelabra effect, and combined with Nankeen's underlay of russet and yellow and the glorious orange beard of Cloth of Gold to make an outstanding color group. A spectacular effect was gained by a planting of Radiation, with its glistening orchid pink tone and deep tangerine beard (really the highlight of the garden) growing with blue Bandmaster and white and gold Snow Velvet.

Spanish Peaks was as fine here as last year—huge, all white even to the beard. It is said that in some way two entirely dissimilar plants are in circulation, both called Spanish. If true, this explains the disappointing appearance of the one. In my own garden Spanish Peaks is a lovely, all white iris of good substance and round form, with white beard.

The sparkling sheen and full rounded form of Blue Valley showed its superiority among the blues. The enormous flowers of Golden Russet

proved simply breathtaking to the many visitors—the buds alone of this iris are of interest even if one never saw the open flower.

Last year I was not so impressed with this one; probably this is as good a place as any to claim the feminine prerogative of changing my mind, for along with Golden Russet, both Chivalry and Helen McGregor, as they bloomed in my garden, were champions. Helen was somewhat protected from the strong afternoon sun, and a rather small one-year plant rewarded me with five full blooms on its single stalk, which lasted for days—a clear, unfading blue of excellent form and perky carriage.

* * * * *

Region 6 was, if not the first, at least one of the first regions to recognize the great value of iris robins in promoting friendly contacts and securing exchange of ideas and experiences among members. As time goes on, our faith is more than justified. Several of these robins originating in this region are now circulating—Walter Welch directs five Dwarf robins, Mrs. Stephan has three general iris, and I conduct two general iris and three hybridizers' robins. These latter are showing splendid results in encouraging hybridizing and a better knowledge of the mysterious manner of inheritance in iris. Members of the Advanced Hybridizers' Robin are so enthusiastic that we have decided to preserve our letters in a Year Book for future reading. We decidedly encourage all members who desire to discuss these subjects seriously and to make progress therein, to join the robin ranks.

Another splendid means of contact among members has been the local iris societies. The Columbus Iris Society is not a new one; in its fine vigor and ability, its close co-operation and high standards, it affords a fine pattern.

The Detroit area has two such societies—the older Detroit Iris Society and the younger and vital Southern Michigan Iris Society which is now about three years old and going strong. It has its well-known test garden, a fine monthly bulletin and a corps of workers who can't be beaten, anywhere.

The Mio Irisarians, well up in the interior of Michigan's "mitten," are another spirited organization of several years' growth, whose members grow exceptional iris and arrange the finest shows, overcoming the disadvantage of sandy soil and scattered membership by sheer determination and a strong love of beauty. They are rapidly becoming famous in this section for their large annual iris show.

The Central Michigan Iris Society of Flint, Michigan, was organized a year ago last January by Chas. E. Morgan, with eight members (four of whom were A.I.S.). Its membership is now about fifty. On June 13 of this year over eight hundred people visited their first A.I.S. sponsored iris show at the Flint Y.W.C.A., where the prize stalk of the show was a breathtakingly perfect one of Snow King—tall with five

snowy, large and perfectly-placed blooms. Many newer iris were in the show, all beautifully grown, but Snow King was really "king."

The Southwestern Michigan Iris Society is being formed in the Battle Creek-Kalamazoo area, with about fifteen charter members of A.I.S. We hope that more of these iris clubs will come into being—not with the idea of being complete units of themselves, but rather to draw more closely together neighboring groups in the larger regional unit—that we may all become closer friends and better iris growers.

Yes, Region 6 stands on the threshold of a new day, and the door is gradually opening on a vista undreamed of a few years ago.

REGION 7—RVP, MRS. T. B. REVELL, Miss.

This is a report from the "balmy" south, where we'll grow irises; at least youall who do not grow iris now will soon be growing them "for when the iris bug bites you you had better watch out." The only panacea comes in excelsior filled boxes with little holes cut in the sides. Friends and neighbors, when exposed to this delightful madness, usually succumb and thus spread the disease. The main symptom is a raging fever, accompanied by an aching head, after a day spent "taking" the tonic from these excelsior filled boxes. A weak back is also a known complication but some escape this altogether, if fortunate enough to have a "nurse" who is handy with the spade.

Our season this year was so topsy-turvy that in December and January we had warm fall-like weather, resulting in lush growth even in mid-winter. We began to wonder if our beloved winter standby, *I. stylosa* would not have competition for the honor of furnishing cut flowers for our Christmas dinner table. But when spring weather should have been right around the corner, old man winter decided that he had been given a raw deal and steps should be taken to correct the situation, but soon. Where was our "balmy" weather now? Only the iris growers were "balmy"—not the weather.

Our regional meeting, scheduled for March 8, was due. The Graeberianas, Bakerianas, Vartania Alba, and all the Reticulatas had bloomed and were gone. Many of the dwarf bearded iris were in bloom and even Wedgewood Dutch Irises lured into early flowering by the mild weather were everywhere in our gardens. But did Mr. Winter care? No—he played hide and seek with spring until after our meeting in Memphis on May 3. This weather was not good for our bearded beauties and we could not do a thing about it. Many flower stalks, coming out of the ground, met the late freeze and toppled over never to arise. Some were able to stand the ordeal but never looked the same and many seemed to take it on the chin and be none the worse for their cold reception. Did I say the gardeners were "balmy"? By now most of us had become actually insane, and we wondered if we would have any typical bloom.

The show usually put on by our dwarfs was greatly curtailed. Many of the species failed to flower and some of the more tender tall bearded varieties were missing at roll call. But there were plenty of lovelies; many of our not too recent varieties out-did themselves as though trying to make up for the failure of the frailer newcomers. This performance and stamina on their part saved them from discard.

The Evansias seemed to thrive on this freakish weather for never have these dainty flowers bloomed as profusely as they did this year. *Tectorum Alba* furnished quantities of ethereal, lovely white "fairies" for flower arrangements over a long period. These iris grow like weeds from seed and are much more satisfactory and long lived than when roots are planted.

We are unusually fortunate here in Grenada, as we can grow any iris now known to the horticultural world. We are not plagued with borers and our hot sun and dry weather all the summer holds most of the iris diseases to nil. We grow *Regelias*, *Oncocyclus* and various bulbous, the Louisianas from the bayous and swamps, Siberian and the ever satisfactory *Spurias*, with about the same ease and floriferousness as the tall bearded. There is hardly a week in the entire year when it is not possible for gardens in this section to have some member of the iris clan in bloom. In fact as I write these notes (Aug. 11) out of my bedroom window down a long fence covered with morning glories one can see countless clumps of Vesper Iris, in many shades of lavender. The seed from which these plants grew were planted last year. Surely this is another inducement for the gardener to enjoy the thrill of raising iris from seed.

REPORTS FROM OTHER DISTRICTS IN REGION 7

Mrs. S. P. Rawlings, of Bowling Green, Kentucky, reports a very satisfactory growing season in her section of the state.

Miss Alta Shelton, of Florence, Alabama, reported a short and below normal blooming season. And Miss Annie Cooper, of Oxford, Alabama, writes that people in her section are becoming more iris conscious all the time and that she had a wonderful attendance from her "open garden" invitation.

Quite a few of our members enjoyed an afternoon with iris and people, in the gardens of Mrs. Reuben Sawyer, Mrs. William Shaffer, and Mrs. Clyde Graham in Coahoma, Mississippi. Assisted by nature with that rich black soil they really grow iris. After our bodies were too weary from much running hither and yon comparing, admiring most and criticising the performance of a few, we sat upon the delightful patio in the Graham home, still talking iris. There in the refreshment served us we found that those ladies can cook as well as grow iris.

An added treat that Sunday, April 30, was a visit to the lovely garden of Mrs. O. W. Lambert in Clarksdale, Mississippi. She grows iris in the greatest profusion and has many interested visitors during blooming season.

A meeting was held in Grenada on March 8. The day began for our visitors with a beautifully appointed coffee given by the members of the Grenada Iris Club in the handsome home of Mrs. J. K. Avent. The slides collection of the A.I.S. was shown and in addition many other slides gathered together by our slides chairman, Mr. R. N. Banks of "Super Juice" fame. Mr. W. E. Jackson, of Grenada, assisted Mr. Banks in showing all the new varieties of iris, some of our old favorites and some beautiful garden views.

Reluctantly at one o'clock we left the Municipal Auditorium where the slides were shown for the Monte Cristo restaurant where a delicious luncheon was served the 64 members attending. After lunch Mr. John Pierce, of Memphis, Tennessee, gave a very graphic demonstration of iris hybridizing and in his own inimitable way filled us all with visions of being future Dykes medal winners. Members of the A.I.S. can expect to hear in the future of at least three new iris as a result of that demonstration; a blood red with heart shaped falls, which will bloom every February 14; a true green for St. Patrick's day and a bright red with a long white beard which will always appear on December 24.

On Wednesday, May 3, we began a delightful day in Memphis by visiting first "Twin Trees," the home of Mr. and Mrs. Leo Reynolds. Then we saw the fine collection of named iris and new seedlings of Mrs. Morgan Ketchum. This was followed by a visit to the gardens of Dr. T. P. Nash.

I wish every iris beginner would visit the garden of Mr. and Mrs. E. R. Fox. First for the delightful charm of the garden and second to see the "Dykes Medal" border—which contains practically all the Dykes winners—French and English as well as American.

After lunch we hastened to the home of our former R.V.P. John and Gladys Pierce can produce more beauty in a small space than anyone I know. John grows most of the best of the new varieties and his blue seedling 49-23 and 49-08, a pink, were especially noteworthy.

We finished our Memphis trek with visits to the well mulched planting of Mr. Robert Carney and to the formal garden of Mr. and Mrs. Raymond Clark. The Clark garden is beautifully laid out and even if you took away every iris in her huge wheel there would still be a satisfactory garden picture of foxglove, columbine and blooming shrubs.

In Grenada we have the Grenada Iris Garden, owned and maintained by the Grenada Iris Club. It was enjoyed by many local irisarians and visitors this year. Still in its swaddling clothes since it is only two blooming seasons old, it is being improved constantly and better varieties

are being put in. We are growing "guest" iris from hybridizers who wish to know how their iris will "take" our hot weather. It is an experiment in public planting.

While we will follow up later with more definite plans, we want to invite you now to include the gardens of Region Seven in your itinerary as you return from the National Convention in Shreveport in 1951. A warm welcome will await you, and I do mean warm, but "balmy."

REGION 8—RVP, MRS. W. F. ROECKER, Wisc.

Hopeful as iris growers always are, the next season is going to be better. The past season was certainly not too good in this section. The open winter, with a late freeze, upset the routine of even the most dependable iris.

Older iris, that have bloomed regularly every year, had few or no buds. Newer plants on which we could not depend had two or three flower stalks. Many kinds had short stems with few flowers, but all that bloomed were beautiful regardless.

The Wisconsin Iris Society's Annual Show was held in the Civic Conservatory at Mitchell Park on June 9th. It was open to the public, so that one could not count actual attendance, but over 4,000 visitors passed through the building during the day. Older iris captured most of the prizes, though quite a few newer varieties were shown. A number of seedlings were entered, but only one received Honorable Mention—a large pale blue and primrose yellow flowered stalk. The Sweepstakes was won by Mrs. Robert Reinhardt, of Waukesha, and the Tri-color by Mrs. Ed. Wurst, of Milwaukee, with Jake. Now we are struggling with iris borer and mosquitoes, but will have a bigger and better show next year in the same beautiful setting.

The Twin Cities Iris Growers held their 30th Annual Show in Minneapolis, June 12-13 in their new home. Their iris, particularly the newer varieties, were large and colorful. Grand Champion Winner, Stella Polaris, shown by Mrs. G. W. Gable, won a silver cup. Door prizes of iris were offered, and seemed to increase the attendance. A tendency of the younger gardeners toward specializing in iris has been noted.

Reports of Wisconsin growers on winter damage to iris have been discouraging. But Minnesota seems to have had more snow and so their losses have not been as severe.

REGION 9—RVP, GERALD J. DONAHUE, Ill.

The 1950 blooming season was very disappointing to most members of Region 9. To begin with, the cold, late spring held back the development of the bloom spikes, and made it extremely hazardous to make any predictions about the blooming dates. "When will they

bloom?" asked the many voices via telephone and letter. "Your guess is as good as mine," we echoed back. "But this much we know—it's going to be late." And still the cold weather continued.

And then, just as the stalks began to appear out of the fans, came the heat. The stalks climbed so fast that they were very weak—some of them were like corkscrews. And then the weather grew still more hot. It was terrific! The flowers that opened in the morning were burned up before mid-afternoon—and so were we. And as the heat continued, all buds were forced into bloom, and then wilted, within that short heat wave of about ten days. The net result was one of the shortest blooming seasons we have experienced in this region, especially in the Chicago area.

We regretted being unable to attend the national meeting at Sioux City. Our reservation had been made for the original date, but when the date was changed, the new date conflicted with other affairs, and so it was impossible for us to attend. Region 9 was well represented, however, as a good number of our members made the trip.

Our garden visits within the region were also of a very abbreviated nature, due to the shortness of the blooming season. We did manage a trip to Orville Fay's garden in Wilmette, and saw some very fine new creations. His new 1950 introduction, *Tranquility*, was blooming in beautiful form. It is a finely tailored flower, and a stunning white. His *New Snow* seemed better than ever, and even taller than usual. Truly Yours was spectacular, as it always is.

Among his newly bloomed seedlings was a true blue, 49-28. A good sized flower, ruffled, and a deeper blue than *Helen McGregor*. It is the result of a *Cahokia* x *Helen McGregor* cross. 49-21 is a very good black iris, and is blacker, taller, and larger than *Black Forest*. Mr. Fay expects to introduce this next year under the name of *Black Hills*.

Mr. and Mrs. Dave Hall were away at the time I was in their city—they were among those who attended the national meeting—and so I was unable to see any of Dave's newest seedlings. But there is always another year coming, and we hope for better luck next year.

Some of the outstanding iris events in this Region during the past year were:

FOSTER MEMORIAL PLAQUE AWARD

This is the top award of the Iris Society of England for outstanding achievement in the advancement of the iris. The award for 1949 was made to David F. Hall of Region 9 for his outstanding work in developing the *Flamingo Pinks*. This is only the fifth time in the past 23 years that U. S. citizens have received this highest award.

IRIS LECTURE AND DINNER

On April 19, 1950, a dinner was given in honor of Dr. Wm. A. West,

Professor at the American University of Beirut, Lebanon. Prof. West was the speaker, and gave an excellent talk, with Kodachrome slides, on iris of the Far East. This affair was jointly sponsored by the Chicago Horticultural Society and the A.I.S., and was given at the meeting rooms of the former society at 116 S. Michigan Ave., Chicago. It was very well attended by members of both organizations.

VILLA PARK IRIS SHOW

This show was held at Villa Park, Illinois, on June 10th and 11th, in co-operation with the A.I.S. It was a very successful affair, and the quality of the blooms was excellent. Many of the newer introductions were on display. The chairmanship of the show was very efficiently handled by Walter W. Sir, of Lombard, with John Lessing, of Villa Park as Co-Chairman. The prize for the best flower in the show was won by Larry Pelc, of Villa Park with a beautiful stalk of Blue Rhythm. The A.I.S. Silver and Bronze medals were both won by Walter Sir. The judges were Hubert Fischer, of Hinsdale, Fred Bond, of Maywood, and Mrs. Mildred Harrell, of Aurora. E. L. Hodson and Frank Winters did an admirable job in handling the color classifications.

IRIS EXHIBIT BY CHICAGO HORTICULTURAL SOCIETY

This society staged a very fine iris exhibit at its meeting hall on June 13th and 14th. The idea for this exhibit was evolved by Fred Heuchling, Exec. Secy. of the Society. Mrs. Thos. J. Reedy, of River Forest, Illinois, was the Chairman and she was aided by an able corps of assistants from the Oak Park and River Forest Garden Club. The blooms for the exhibit were furnished by several enthusiastic members of the A.I.S. in the Chicago area. This exhibit was non-competitive, and was put on solely for its educational value to the general public. It was very well attended, and many garden lovers became better acquainted with the new developments in iris.

TELEVISION PROGRAM ON IRIS ARRANGEMENTS

This program, which took place on June 12th, was part of the promotional plans for the above mentioned Iris Exhibit, and is the first time, to our knowledge, that the iris has been featured in any television program. Mrs. Thos. J. Reedy, prominent authority on flower arrangement, conducted the program, and gave a very fine talk and demonstration on iris arrangements. The iris blooms for this program were furnished by your Regional Vice-President.

The Annual Fall Luncheon Meeting of Region 9 is now being planned as this report is being written. This will be the final iris event of the year for the Region, and a good meeting is now being looked forward to—but right now, back into the garden we go to plant some more of those “new introductions.”

REGION 11—RVP, MRS. SIDNEY W. SMITH, Ida.

Region eleven held an iris meeting on the afternoon of March 1, 1950, at the Idaho Power Auditorium with the Twin Falls Garden Club as host and the Iris Department in charge of arrangements.

In attendance were 86 iris enthusiasts from many towns in Magic Valley, including Hagerman, Gooding, Jerome, Hazelton, Rupert, Burley, Kimberly, Buhl, Castleford and Twin Falls.

Mrs. H. P. Laird, Garden Club President, welcomed the guests and conducted a short business meeting.

Mrs. T. W. Hicks introduced the Regional Vice-President Mrs. S. W. Smith who then took charge of the program.

The AIS membership plan was explained and various ways and means of iris tours were outlined.

Mrs. Thomas Speedy, newly appointed Regional Secretary, reviewed briefly Dr. Mitchell's new book, "Iris for Every Garden." She also gave the list of ten-time winners in the Iris Symposium.

Due to a change in bus schedules, another speaker, Mrs. C. W. Vallette, Declo, was unable to be present.

Through the kindness of Tell Muhlestein, Mrs. Ralph Nelson, Mrs. Al Kramer, Mrs. M. Clayville, Mrs. C. B. Requa, Mrs. H. Payne, Mrs. L. M. Winters and a Rupert grower in providing slides—some 150 altogether—Mr. Al Hankins, operator, and Mrs. Smith, narrator, took the visitors on an extended imaginary iris tour starting at Provo, Utah. Here many new iris, among them Pink Formal, were seen with enthusiasm and delight.

The next stops were at a dozen or so gardens in Magic Valley, then to Payette to see Mrs. Mary Tharp, over to the West Coast area to see the Schreiner and DeForest plantings and to glimpse species iris at Dr. Riddle's garden, back across Oregon and up to Mrs. Nelson's garden in Coeur d'Alene for a long iris visit which lingered into the phlox season.

The slide tour ended with views of peonies and gladioli in a Rupert garden.

The program closed with the time-lapse movie by John Ott, "How to Grow Iris," a feature thoroughly enjoyed.

A social hour followed. Wedgewood iris and acacia formed the centerpiece arrangement for the lace covered tea table while baskets of forsythia and pussy willows, successfully forced for the occasion, and greens from the Joan Hart garden, placed against dark blue velvet stage draperies and around the hall gave a touch of spring atmosphere.

—GRETCHEN J. SMITH, Twin Falls, Idaho

REGION 12—RVP, TELL MUHLESTEIN, Utah

Unusual weather everywhere! At least that is what we heard. But fate smiled down upon Sioux City, Omaha, and Mapleton for three glorious days. Yet here I am "jumping the gun." First of all I must turn in a report from Region 12!

Utah experienced one of the latest seasons on record. The show was set back a week from the original dates to May 27th and 28th., and things worked out very nicely. We had hoped Bob Schreiner and R. M. Cooley would come through (on their way to Sioux City) to judge the show, but you all know what happened—Sioux City postponed the meeting so we were without these judges. However, Mrs. Ed Conrad and Wilma Vallette, of Idaho, came for three days visiting so we turned Mrs. Conrad into a show secretary and Mrs. Vallette, Mrs. Ralph Carlston and your writer were given the task of judging in the spacious new Porter Walton showroom which affords grand lighting at night and perfect daylight judging facilities. A.I.S. judges Mrs. Valentine Frazee and Fisher Harris judged the seedlings. Your reporter's Green Mohr was given the Sweepstakes (personally I was "rooting" for a yellow seedling, but the unusual color of the "green" one did it!). The judging lasted four hours and it was interesting to see some old beauty like Cameroun (exhibited, by the way, by Fisher Harris) win sweepstakes in its class and stay right in there until the near end for a good try at "Queen of the Show" which finally went to a beautiful stalk of the Capitol, exhibited by Mr. and Mrs. Reynolds, of Woods Cross. Mr. Naylor almost did it again with a magnificent stalk of Zantha and an enormous stalk of Golden Russet. The show room was crowded with visitors for the two days, and iris have made a lot of new converts.

Due to the convention dates it was thought wise to cancel the annual trek. Still there was the usual garden visiting and the season was without mishap, once spring did arrive. The center of interest this year was the surprisingly complete collection of Onco, Regelia and Oncoregelia hybrids growing under the expert care of Fisher Harris: Nigricans, Susiana, Gatesii, Lortetti and all the rest. Pictures were taken so that now our Utah slide collection will be increasingly more interesting. Our slides were used to advantage last winter when the Salt Lake *Tribune-Telegram* staged its Garden Fiesta, devoting an evening to each of six different garden clubs, and we were proud to be the first to show our pageant. We drew the largest audience of any showing—there is a great interest in our hardy perennial.

REGION 14—RVP, HAROLD I. JOHNSON, Calif.

Apparently the geographical extent of iris interest in Northern California closely reflects the results of 1950 census returns. In 1940 the

majority of iris growers, like the population, were located in the larger metropolitan areas, and Berkeley was probably the center of interest. Now, iris gardens are scattered all over the region.

This geographical spread of interest is a healthy situation: but it places a burden on anyone who starts out with the idea of visiting many Region 14 gardens. (Nevada is also included in this region!)

Between San Francisco and San Jose fifty miles south, a large increase in population has taken place in the last ten years and I was happy to discover an enthusiastic group in the Los Altos region under the capable leadership of Mrs. O. W. Leach. Interest in San Jose remains unabated, and iris growers in this part of the region were responsible for a fine exhibit of iris at the California Spring Flower Show in Oakland.

North of San Francisco, in the Redwood Empire section, Mrs. A. L. Romer has helped to develop considerable iris appreciation in and around Ukiah. Mr. Robert F. Nourse has one of the most interesting gardens there, and he specializes in iris species and has some unique specimens of *Douglasiana* and *Innominata*.

If anyone wonders why San Francisco, itself, is never mentioned in connection with iris, its cool humid summer climate makes it next to useless for bearded iris growing. Their gardens do grow the best dahlias, fuchsias, geraniums and rhododendrons you ever will see.

In the Northern Sacramento Valley, iris interest is sustained by the good work of Mrs. A. H. Sanborn, of Chico, and by the fine commercial and seedling planting of Mr. Elmer T. Nelson, of Paradise. Mr. Nelson's garden is one of the most effective iris gardens in California, the iris being beautifully grown on a hillside having excellent soil conditions. Unfortunately, the day the writer visited the garden, Mr. Nelson's flowers had been subjected to a terrific beating by a freak hail storm. Nevertheless, even from the battered flowers it was evident that this garden will undoubtedly be the source of worthwhile iris introductions in the near future.

The extent of interest in the San Joaquin Valley region was surprising, and was brought to my attention by correspondence, after flowering season, from Mrs. Albert H. Bolter, of Ceres. I understand that Mrs. J. L. Melrose of Modesto is growing 750 varieties and has a swamp garden where she is trying Louisiana and Japanese iris, and there are many others who have large plantings.

Further south in the Porterville region, there appears to be an increasing interest in iris, although Mrs. Boyd B. Kreider advises me that the extremely hot spring and summer weather tends to discourage many people.

Of the new iris in this region, some of the best seen this year were the many brown and tan seedlings raised by Mr. Elmer P. Nelson at Para-

dise. He has used a number of the Kleinsorge iris as parents; and by selection, it is likely that he can develop strains which will have more satisfactory growth characteristics in California than the original parents have so far displayed.

Professor Sydney Mitchell had a fine display of seedlings which he selected last year from his growing fields. One of the most interesting was a Helen McGregor x Chivalry cross, which not only was a fine blue, but was probably the most ruffled iris I have yet seen.

In Professor Stafford Jory's Berkeley garden there were quite staggering rows of his Morning Blue and Blue Elegance. The most distinctive flower, however, was from a cross of Cherie x Capitola, which actually produced a pink oncobred. If this grows taller and shows greater vigor, it should be a worthy development.

Plans are being considered for a regional meeting, although many of the members are showing a preference toward forming local groups, which may after all, be the best solution for a region as diversified in growing conditions as is this one.

REGION 15—RVP, CARL C. TAYLOR, Calif.

On April 15 we held a regional meeting in the lovely display garden of Carl Milliken, which was well attended in spite of an all day rain. Members came from as far away as San Diego.

On April 29-30 we held the Hollywood Iris Show in connection with the A.I.S. and it was a success both in display and attendance.

Mrs. Douglas Pattison and Mrs. Otto Stuetzel gave reports of the performance of iris in Region 15 in the July BULLETIN, which leaves little else to report except that we have acquired a great many new A.I.S. members this season.

REGION 16—RVP, MRS. HARRY BICKLE, Canada

The June gathering of the Canadian Iris Society was, as usual, confined to members living in Ontario. Out-of-city members had picnic lunch at the Bickle's and after touring many local and suburban iris gardens over forty rounded up for supper on the terrace at Mr. and Mrs. News', Ryecroft, Oakville. The wife of the Lieutenant Governor, Mrs. Ray Lawson, was a most gracious and interested guest. It is a lovely setting for a happy gathering as the great lawns sweep down to Lake Ontario and the gardens are filled with flowers.

In the evening a dozen or more members paid a breathless visit to Mr. Moffat's iris in Hamilton. It was the day of the great wind but there was lovely bloom at both gardens. He has many of the new creams and soft yellows which add so much charm to any iris grouping and he is a good gardener.

There were new seedlings at Mr. Moffat's and at Dr. A. H. Rolph's beautiful gardens in Weston, where two whites stole the show. They are lovely indeed, and have great substance.

Mrs. Walsh had flown in from Sioux City a few hours before we arrived at her delightful home and garden overlooking Hamilton Bay. By all accounts the A.I.S. Annual Meeting was a grand success.

In Ottawa there was not as much bloom as usual but in Brighton, Mr. A. K. Edmison had grand quality including a fine old gold among his well grown seedlings.

Miss Castle had a fine display at Meadowvale in a lovely setting, but there were no new seedlings flowering there or at Mr. Cousins, or Mr. Fleming's at London or in Father Corcoran's garden in Stratford. Pretty Quadroon was a sumptuous new one in the latter's garden and the color on the whole was very rich and free from fading. Ten years have seen a heart warming advance in the color of the iris grown by our leading gardeners.

At Ingersoll, Mr. Miles, after the lean years of late frosts, heavy wind-storms and tragedy, found that his luck was in. With glorious weather his iris planting was a gorgeous sight. Two or three marvellous dark reds were thrilling, the plicatas were clean and tidy. 42-11-B and 44-7 were two strong stemmed, smooth flowers. The best of the yellow plicatas was a gem (LA x FD) x seedling from Orloff. The following were of exceptionally high standard:

45/15— a free flowering cream

45/2— a fine pale cream with lovely greenish tinge

46/1 F— large, well branched, new blue

46/1 H—most visitors and judges chose this as their favorite.

It is very, very blue and nicely ruffled.

46/1 B—very distinct in form of flower and of an unusual color—it is like lavender wax—spreading falls, tightly cupped standards and with the color carrying right into the heart. I am looking forward to the day when I can grow this with the exquisite new pinks.

Pinnacle from New Zealand, Mrs. Steven's great achievement, with pure white standards and primrose falls, bloomed magnificently. The stem and branching were good and the foliage strong, while the beautifully formed flowers had all the freshness of spring. It is most desirable.

Our own new 49/B (Bickle) is a glowing oriental rose in effect, probably called a self, with a wash of chocolate bronze at the haft. The color is new.

Helen McGregor has not yet shown itself satisfactorily here in southern Ontario, but Lady Boscawen is glorious. New Snow and

Franconia are excellent in every way.

A pleasant surprise was the opulent charm of Illinois. Arab Chief and Charlie Gersdorff were fine and colorful but Melodist, Cordovan and Bryce Canyon are really grand in our light shade. In our garden there are hundred year old elms fifty feet to the south of the iris borders and an iris that fades here just is not worth its garden space. Danube Wave was superb and holds its rich medium blue color well.

However, there was a marked improvement in general color of iris in our gardens this season. Having seen perhaps a dozen iris displays, it seems to have been possibly the most outstanding quality. In central and western Ontario gardens, the growth was exceptionally good and they needed all their sturdiness to withstand the unusually rough winds that distressed those in the more exposed gardens.

Among the magnificent iris, old and new, that were seen this June, 1950, Elizabeth of England was possibly the loveliest. Tall, pure, pale blue, very free flowering, it made an unforgettable impression. Ballet in Blue is a lively blue with a bit of lavender in it. The flowers are placed faultlessly to make a perfect stem and the leaves are just the right height for proper balance. The whole plant has an airy grace that is captivating. It is a dark secret that my husband likes it better than Elizabeth of England.

Among the new "pinks" Melody Lane, a golden apricot, with tangerine beard of course, received much attention. Heritage, Cherie, Radiation, Fantasy and Tally-ho were all fine. I trust their nice height is preparing us for an attempt to breed garden iris as plants with more symmetry. The forty-eight-inch iris is just too tall for satisfactory arrangement in most gardens.

REGION 17—RVP, HARRY THOMAS, Okla.

A regional report should be written in a manner to be of interest to all members of the Society. I am not sure that I know just how to write such a report, but this is the 1950 effort.

Region 17 is Oklahoma and Texas. It is nine hundred miles from Oklahoma City to El Paso, 650 miles from Enid, Oklahoma, to Houston. Northern Oklahoma has a climate like Kansas, with winter temperatures as low as 10 below zero. The Texas Gulf Coast has a climate like New Orleans. The bearded irises do not do well there, but the Louisianas and the Spurias flourish. In most of our region we grow the bearded irises as well as I have seen them grown anywhere. Pinnacle looked better in Guy Rogers' garden this spring than it did in Oregon last year. Extravaganza was better in Oklahoma City than it was in Nashville in 1948.

We are a big region, geographically, and we are also big in membership in the AIS. We rank at this date, either number one or number

two of all the regions. In the January membership supplement, we had about 500 members. Region 18 had a few more. In the July BULLETIN, we are credited with 76 new members to May 15th, and Region 18 is credited with 49 new members.

We are enthusiastic about iris and the AIS in Region 17. We had more registrations at the Sioux City Meeting than any other region, except the home region, Region 21.

We have a lot of activity in our region. We held five iris shows this spring under the auspices of the AIS. We have six district iris societies in the region, with membership of thirty to seventy-five.

We are fortunate in having the best collection of bearded iris in the United States in our region, the garden of Judge and Mrs. Guy Rogers at Wichita Falls, Texas. Here, our members can see the new things, each season, expertly grown and beautifully staged. It is not "Texas Big Talk" when I say that more than one thousand visitors see their garden each spring.

Now I know that most readers of the BULLETIN like comments on varieties. These will include only the varieties seen in our region, most of them in Oklahoma City and the Rogers' garden. There are some old ones in this list. Varieties that year after year, come heat or high water, do their stuff to perfection. I am not commenting on the ones I didn't like. They may look a lot better in some other region.

Arcadia Buttercup—this is at the top of my list of yellows. A fine grower and increaser. A very smooth deep yellow with that velvety look, and bright. Splendid substance and stalk.

Black Forest—the blackest flower in the deep blue class. Grew up this year and bloomed on 30-inch stalks, with a lot of flowers open at one time.

Blue Rhythm—I am going to step out of our region on just this one. I have never seen such a performance of general excellence as this fine blue put on for the AIS meeting in the Whiting garden. It has been good in our region for the last three years.

Blue Valley—It is bluer than the others, including the later Kenneth Smith introductions. It has Great Lakes form and dependability.

Cherie—my vote for the Dykes Medal this year. Not the pinkest, but form, grace, charm. Substance like leather. One of the great irises.

Chivalry—deserves all its honors and publicity. The big ruffled violet blue that always gives a good performance. Fine flower, fine stalk, fine everything.

Ballet Dancer—big attractive buff apricot. A near self with horizontal falls. 36-inch stalk with good branching on a first year plant.

Daffy—well named, the screwy plicata with no two flowers on the same stalk with the same color pattern. White, peppered and striped maroon. I like it.

Ebony Isle—a deep black red that blooms very late. Medium to small flower, very smooth, no haft markings. The best I have seen in this color class.

El Paso—golden brown blend, smooth flower. Fine grower. One rhizome made 8 increases.

Extravaganza—very fine. A real amoena. Blooms over long period when it starts to bloom very late in the season. Cream standards and red violet falls. Takes our hot sun and high winds.

Fire Dance—I like it better each year. The best of the yellow and red plicatas.

Garden Glory—the best of the purple reds. Not tall, but why should they all be giants.

Golden Ruffles—consistently good in our region. Large medium yellow that blooms with the early ones and is still blooming when the late ones come on.

Golden Russet—a huge golden tan. Takes sun, wind and rain with the best of them. Wonderful substance for so large a flower.

Heritage—a little deeper pink than Cherie. Not as ruffled on a first year plant.

Love Story—seen in the region for two years, this new pink ranks near the top.

Lynn Langford—one of the most beautiful of all irises. The bright yellow in the haft flows out into the orchid pink of the falls, smoothly with no color clash.

Master Charles—the best true purple.

Melody Lane—this is a new color in iris to me. Golden apricot with a deep tangerine beard. Very bright and carries well.

Minuet—ruffled gold and lavender blend. Looked good on a first year plant.

New Snow—just about the perfect iris. Wonderful form, substance, texture and stalk. Stood our high winds and hot sun without falling over or folding up. Bloomed in a poor season on 44-inch stalks. One rhizome made seven increases and had three bloom stalks.

Ola Kala—a great yellow. Another one that deserves all its honors. Grows like a weed and opens a lot of flowers.

Orelia—a brown red. Rough in the haft, but very bright. From a distance about the reddest in the garden.

Pale Dawn—the only very light blue that doesn't fade white in our hot sun. Big, good form, good grower.

Pagan Princess—big deep pink with a tangerine beard. Bright, eye-catching. Good stalk.

Pink Cameo—not as good as Cherie or Twilight Sky, but the best of the new pinks at a moderate price.

Pinnacle—really different. White standards, yellow falls. Sharp contrast. One of the best new introductions.

Radiation—orchid pink self. Deep tangerine beard. Large flowers and very bright.

Rocket—bitone deep yellow and orange. Very bright and makes a brilliant clump.

Sky Ranger—the tallest good iris in the garden. A good ruffled medium blue. Heavy stalks that take the high winds. Opens three flowers at a time along the stalk.

Snow Flurry—always good, this blue-bud white. Opens more flowers than almost any variety. It is a beautiful iris and who cares if the branching is close.

Starshine—deep cream and white with a touch of blue. A two-year clump of this in Guy Rogers' garden was something to behold. Color, carrying power, everything a good iris should have.

Sunset Blaze—looked just as good this year in Oklahoma as it did last year in Oregon when it won the President's Cup. A blend, a bright brown red effect in the garden. Two bloom stalks and five increases on a first year rhizome.

Sylvia Murray—year after year, the best light blue seen in our region. Smooth flower, perfect tailored form. Perfect branching.

The Capitol—a great big spectacular white with a lot of orange, not yellow, in the haft and beard. A late bloomer after most of the whites are gone.

Three Oaks—I have liked this from the first. Deep coppery pink with a blue blaze on the falls. Another one that never disappoints.

Truly Yours—if any iris is worth a \$25.00 introductory price, this one is. A big, bright, ruffled, glamorous combination of sharply defined white and gold. Very late.

Twilight Sky—the pinkest of the pink buds. Good form, tailored flower. Good substance. Right at the top of its class.

Vatican Purple—big deep blue purple. Always good, always lots of stalks, always lots of bloom.

The Siberians and the Spurias do well in our region. The Siberians blooming with the late bearded iris and the Spurias coming on about two weeks later to bridge the gap between the irises and the hemerocallis.

Siberians that I liked this year and in other seasons are:

Babette—the nearest I have seen to a pink.

Eric the Red—a very fine red.

Gatineau—my preference in the light blues.

Helen Aster—light pinkish wine.

Tropic Night—excellent deep violet.

Tunkhannock—a big pure white, the best I have seen.

Good Spurias seen in this region were:

Azure Dawn—good blue lavender with a yellow patch on the falls.

Fifth Symphony—yellow and brown. Orange effect.

Michigan State—big bronze.

Russet Flame—brownish russet.

Shelford Giant—very large tall cream.

Sunny Day—brilliant golden yellow.

White Heron—near to pure white, though there is some yellow in the center of the flower.

This just about does it. I am leaving all the gripes out of this report. I am not going to say a thing about our dry spring, our late freezes, or the fact that our Regional Meeting which was scheduled for early in May in Oklahoma City, had to be called off because of the erratic bloom in the Oklahoma City area.

REGION 19—RVP, CHARLES H. CALDWELL, N.J.

In common with many parts of the country this Region was seriously affected by the weather. The season was a good two weeks late and plans for exhibits and tours were badly upset.

The very warm winter followed by zero weather in February with no snow on the ground spoiled the flower buds too fully developed by the early heat. Where beds were covered, the buds were not affected and the bloom was good. The plants that bloomed were unusually good, some of the older varieties showing very large flowers.

The Garden Club of Montclair held a flower show in May, hoping to stage a large exhibit of iris but only two entries were made, both intermediate.

On June 3, a Regional Meeting was held in Montclair. A business meeting was held in the morning at which it was decided to hold an iris auction in August to raise funds for regional expenses and to have an iris show in 1951.

After a box lunch with tea or coffee served through the courtesy of the Iris Society of New Jersey, we visited the Presby Memorial Iris Garden and later the large commercial garden of Mr. Emil Wittman not far away. There was a fair amount of bloom in both gardens, but the peak had not been reached even at that late date.

About 30 members attended the meeting and it was pleasant to meet members from other sections of the region. This was our first meeting and I feel that we have made a good start and will have a live region before long.

The late season disrupted the schedule of garden visits so I was unable to visit several gardens that I was anxious to see. Bloom at the Presby Garden was fair. The beds transplanted last year and the new arrivals were rather spotty. The newer varieties on one year plants did

not show well and it is unfair to make any criticism. The tangerine pinks and Lady Mohr seemed to be the most popular.

The garden of Mrs. Hemingway at Bound Brook, New Jersey, was very beautiful but here again the newer ones did not make too good a showing. The back section of this garden was beautifully arranged with older varieties in combination with Siberians, oriental poppies, delphinium and other flowers.

A tour was arranged which included the garden of Dr. and Mrs. Ernest L. Scott at Bogota, New Jersey. Here he saw some nice seedlings, especially a nicely formed and frilled white.

The next stop was at the garden of Mrs. Bellmer in Ho-Ho-Kus, New Jersey. This was a small but very pretty garden and the high spot was some tangerine pinks from Muhlestein seed, especially a deep orchid pink.

Then on to Mr. Cassebeer's beautiful garden at Orangeburg, New York. Here the newer varieties were in two long beds at the edge of a large lawn. We saw many new varieties including Pretty Quadroon, Argus Pheasant and Pinnacle and some interesting seedlings from Mr. Hall, of Moorestown, New Jersey. At the side of the house were beds of older varieties and a bed of fine Siberians. Mr. Cassebeer took us to his large garden in West Nyack, a beautiful site on gently sloping ground down to a creek concealed in shrubbery. On the slope were rows and rows of iris, some seedlings and some named varieties. Mr. Cassebeer has some fine blues from his Tappan and Kenneth Smith's Blue Valley.

We returned to Mr. Cassebeer's house and were treated to a delicious punch, which was especially welcome as the day was hot. After a half hour of pleasant conversation with our genial hosts we started the long ride home.

The late season brought the bloom period into the hot weather so our season was short. This prevented me from seeing the gardens of Mr. Smith and Mr. Allen but I hope to do so next year.

Our auction is to be held on August 12 and we have been promised some very nice rhizomes so we are hoping for a good attendance.

We feel that interest in iris is increasing and that we have made a good start and before long we hope to have a live regional organization.

REGION 21—RVP, MRS RALPH E. RICKER, Io.

In November of 1949, Iowa, Nebraska, South Dakota and North Dakota became Region 21. The greater part of all iris activities in this new region during the early part of the year centered about the Annual Meeting of the American Iris Society held June 8-9-10-11 in Sioux City and Mapleton, Iowa, and Omaha, Nebraska. A complete report of the Annual Meeting will be covered in an article by Judge Guy Rogers, President of the A.I.S.

These Annual Meetings afford a fine opportunity for the study of new introductions, seedlings and other fine iris and the pleasure of renewing old friendships and making new ones. Our flowering period was nearly perfect, the weather conditions fine, the bloom never more beautiful.

We have many plans for our new Region and we look forward to 1951 as an opportunity for Region 21 to further and develop interest in iris. Plans are being made for neighborhood group meetings, that is towns or cities within a radius of fifty to seventy-five miles. These group meetings will be a nucleus for the extension of iris information and knowledge to many others.

In 1951 we hope to have more iris shows in the region for they are a definite asset. This gives an opportunity to see the newer varieties which ordinarily would not be possible. Many a visitor becomes deeply interested in growing iris, thus a potential member for the A.I.S.

In the very near future Region 21 will publish its first bulletin. Plans are in the making for a fall meeting sometime in October in some city which is centrally located or easily accessible.

Region 21 is a fine group of intensely interested growers of good iris, who are adding new and outstanding varieties to their plantings, keeping their collections among the finest anywhere.

Sioux City's Annual Iris get-together luncheon with A.I.S. members from neighboring towns was held in November at the Elbon Club with fifty-four present. Mr. Norman Slothower, chairman of Region 21, showed slides of many of the newer varieties growing in the members' gardens.

I would like to mention a few outstanding iris among the guest iris in my garden. These iris bloomed on one year plants.

55K-1 (Faught)—a ruffled white and yellow on the Misty Gold style, yet a deeper yellow, very good form, broad petals, good substance. 55K-1 is an Illinois Sunshine seedling.

Illinois Sunshine (Faught)—shading from light yellow at the center to extremely deep yellow at the edge of the petals. This large brilliant clear yellow has a bright orange beard.

Morning (Faught)—a medium sized flower of an unusual and pleasing combination of colors. The white standards are edged with a wide band of cream at their base and the flaring falls are pale blue.

Orange Gem (McKee)—a rich orange self of fine form. The standards are broad and have a slight ruffling on the border, the flaring falls are well rounded and have ruffled borders.

Blue Angel Wings (McKee)—a very light blue of medium size. Blooms are of good form and firm substance and ruffled edges.

Augusta (McKee)—a lovely medium size blend, very good form and substance. The standards are blended tan with a tinge of lavender at

the center. The falls are blended tan and lavender with an amethyst glow at the center.

Mistletoe (Ketchum)—I first admired this lovely yellow and white iris in Mrs. Ketchum's garden in Memphis. It has good substance, form and branching.

Blue Tide (Ketchum)—this fine clear blue of good form and substance has garden value. Vigorous and free blooming over a long period. It has good weather resistant qualities.

Swamp Fox (Ketchum)—a striking flower—a brilliant mulberry. The deep orange beard adds greatly to its beauty.

Spring Romance (Miess)—a tall ruffled waxy deep cream with a heavy deep orange beard and an overlay of gold at the haft, good substance and form. Good sized flowers, well branched stalks. Color does not fade.

Lake Tenyaa (Miess)—a very blue iris with an intense yellow beard. The slightly ruffled flower is of good size and well proportioned to its long graceful stem. Strong grower and free bloomer.

Placerita (Miess)—a bright copper self, very smooth and with no haft markings. Not large or tall but striking in appearance.

Gratitude (Snyder)—a mulberry-plum blend with light brown markings at the haft. The flower is highlighted with an overlay of blue on the falls.

Puff Ball (Knowlton)—although a late bloomer, it bloomed at the same time as did other iris. The flowers are ruffled and the crisp texture adds greatly to their beauty. A very popular favorite.

Frontier (Fass)—is a bright red with an orange glow.

An iris which was greatly admired in my garden and concerning which I have received many letters, was Paltec. A hybrid resulting from crossing Pallida x Tectorium, Paltec is a dainty sky blue self of rare beauty, having both the crest of the crested Tectorium and the beard of the bearded Pallida, the beard being superposed on the top of the crest.

The committee of the American Iris Society's 1950 Annual Meeting wishes to extend its thanks to each and everyone of you who helped by your presence, your thoughtfulness and your friendliness to make the meeting a splendid success.

We know each and everyone of you enjoyed it for a marked feeling of friendliness pervaded every moment of the meeting. Do come and see us again at iris time.

I have received as other members of the committee have, many letters expressing appreciation and gratitude for such a fine meeting. And to each of you we say "Thank You" and want you to know how much your notes were appreciated.

Our Members Write . . .

HOW DO YOU DO IT?

Sandwiched in between the ubiquitous reports of seedlings and new pinks we would like to see a word now and then on what makes your garden click. We read much about flower arrangement—indoors—with excellent illustrations. Why not some outdoor arrangements of beds, borders, backgrounds, proportion of lawn, path, companion plants, etc.?

Neither prize winning iris (nor any other plants) in whatever quantity, however perfectly grown, will of themselves, make that illusive, spiritual something that causes your neighbor to exclaim, "My, what a beautiful garden!" What is it then?

While we make no claim to possessing that subtle, ethereal thing we dream about, we have discovered a few things that have helped us. Keeping the center open is one. Working in curves is another and planting in masses a third. There is nothing new about these three principles, of course. Any good landscape gardener knew about them a hundred years ago. But we are not a "good landscape gardener." And having no "guide, overseer, nor ruler," nor any printed word containing that line, we had to learn it the hard way. Trial and error was our teacher. We would be glad if we could help someone else take a shorter cut.

In an open center you have a grandstand seat from which to view the show, a point of vantage. You also have a starting point for any sort of design. Second, "Curved is the line of Beauty." Nature, the master teacher, never makes a straight line. That is not to say in some small plots "the shortest distance between two points" may also be the nearest route to success, but in medium or large areas, curves always and only.

Third, planting in masses is nature's

way. Any iris looks lovely if there is enough of it, and so does most any other flower. We have seen a hundred foot row of old Shekinah make a wonderful effect, stopping every beholder, while single specimens of boasted sorts aroused no interest.

Like many other amateurs we started out to accumulate as many iris as we could buy, beg, borrow or acquire in other ways. But we have learned—the hard way—that you can have too many. We began to discard and are still at it. We retain not necessarily the newest but what experience has shown to be the most reliable performers. One half as many sorts grown in larger clumps and tastefully arranged have given our garden a face lifting that has been the joy of this neighborhood.

Old Princess Beatrice, Thais and Indian Hills stand up in the rain and bloom their heads off, while Prairie Sunset and others of its ilk just sulk and instead of eliciting praise from the visitors call for apologies by the owner. A few new varieties must be added each year to maintain interest, but the backbone of any real garden is the tried and true dependables.

A garden can be a bit of loveliness regardless of its size. It does not require that new introduction, the pinkest pink or the reddest red or the whitest white. Catalogues help, but imagination pays the dividends. A garden should reflect its owner's personality. The Creator has seen to it that no two individuals are exactly alike. Neither are any two gardens. Originality plus a willingness to experiment will bring results.

A feature that has attracted wide attention on our place is a series of mottoes or verses, strategically placed, some carved on stone laid flat in the sod, others on slabs of wood or strips of weathered board. The following

seems to be a favorite:

With the kiss of the sun for pardon
And the song of the birds for mirth
One is nearer God's heart in a garden
Than anywhere else on earth.

As for harmony, color combination and the placing of each individual variety beside a congenial neighbor, we rely on old Mr. Trial and Error. Real gardens aren't made by men afraid to move a plant here and there. Try sun and shade, use shovel and spade, your problem is, "what and where."

Three other things are musts in our experience: a border of evergreens and shrubs to form a frame for the picture. Mugho pine, arborvitae and Japanese yew, interspersed with lilacs, mock orange and Kolkwitzia have served well for us. Second, companion plants to give life to the iris section after June first. Hemerocallis are "it" in our case. These come in just as the iris fade and bloom until frost. The third affects maintenance. Iris clumps do not provide a safe landing place for big feet. Hence beds or borders should not be over four to six feet wide so they can be worked from either side.

We also find labels that can be read without stooping add interest. The best we have discovered to date, we make ourselves out of sheet zinc, on which we print with an ink made of equal parts of hydrochloric acid and butter of antimony. This is quite inexpensive, etches into the metal, and makes a marker that lasts indefinitely. Use an old fountain pen to do the marking.

We are fed up on seedlings and new introductions. We would like to suggest that a moratorium be declared on new varieties until we assimilate what we have. I know few fans will accept this, but I say it just the same. Let's ease up on form and color and substance and stress beautiful gardens. — GEORGE MATHER, Md.

SEEDS NEEDED IN AUSTRALIA

I am interested in the Siberian Club of the Society and I would be glad to have any information that is available. I have been fortunate enough to get

seeds of the later varieties and I have some quite nice varieties showing the full range of colors from Miss Preston as a basis of comparison. Plants with red flowers came from some seeds of Paul Cook's cross Eric the Red x Helen Astor, and I have a good white obtained from seeds I got from Dr. Horne Cragie of Toronto. This interested me for I could see no great possibilities in Miss Preston's whites with the insignificant falls, but this one has well rounded ones. In addition to these I have a good blue with a bloom well down the stem and I am working toward this branching as well as to the white. What is the best white that you have? I have shared some seeds of Dr. Clemenger's white and look to this for results.

We can do nothing in Australia in the way of finance, but if there is any one interested in what I have I could exchange with them. My work among the native Californians is likely to be significant, for I have good material and a fine lot of seedlings from intercrossing coming along. These are mainly the Innominata x Douglasiana hybrids. I can see greater possibilities in these than in any flower I am handling.

My Polyanthus came from Mr. Reinelt's strain 15 years ago and have been distinct ever since. They are good and I also have some giant Freezias. Other lines are Tigridias, Sparaxis (Sidney Mitchell was keen on these), Lachenalias, Nerines, Callas, Hemerocallis, Delphinium and anything else I can locate that is good. My work among the Papavers was basic and my Gartford strain is well known.

Naturally, I cannot resist the giants, and I have some interesting in-bred lines. I was always keen on the pedigree of iris Silent Waterfall as an instance of a mathematical arrangement of parents, but could get little to cross with it. Miss Faught sent me a similar white and this pollen seems universal. When I wrote for the pedigree I was surprised to find it was (Purissima x Santa Barbara) x Hall's Brown. So I feel that I have as closely in-bred a line as anyone. As I have been working with

(Purissima x Santa Barbara) x (Cheerio x Midwest Gem) and as I have Purissima x Purissima into the third generation (Salbach sent me the original seed) I am well set to carry on. Strange to say I have a good cream iris raised by the late Louis Wheeler, of Adelaide, from Purissima x Santa Barbara. He was certain of his records, but the color seems strange.

We are just a little short of contacts over your side and we could do with some articles for our Bulletins. I did suggest that we might get members of your Society to correspond with individual members here. There should be interests to share for those who have a general garden, but we can offer little to real iris enthusiasts as few here know of the recent developments. I have about 120 of the latest varieties to bloom next spring—most of Tom Craig's and Miss Faught's and others; I send them daffodils sometimes in return. We lead here in the novel Pink Cups and the progress is spectacular. Three of the older breeders died last year, Alister Clark, Chas. Radcliff and Nethercote, but the younger men will carry on. I keep in touch with what is done here in plant breeding and I am always happy to serve others where I can. If you know of anyone interested in what

I have done and am doing, do not hesitate to suggest they write to me.—FRED M. DANKS, Australia.

A.I.S. members interested in exchanging seeds and plants with Mr. Danks are urged to write him forthwith. Use airmail as ordinary post is very slow and uncertain (ED. NOTE).

IRIS LANDSLIDE IN SANTA BARBARA

Three months ago I inserted an invitation in the local newspaper asking all those interested in growing iris to meet at my home; my intention was to start a community iris society. The result of this invitation was a meeting at which eight people were present. I was a little discouraged, however their enthusiasm quelled my fears. It was agreed that we would meet a week later, in the evening and in a more centralized location. The number this time was doubled and we held an election of officers, then made plans to hold a free display to acquaint the townspeople with our beloved flower—the iris. Our display was a huge success, considering the newness of our group. We showed at least eight species and two hundred varieties of tall bearded. We, the committee, talked ourselves hoarse explaining about the easy culture of iris and

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answering as many of the questions as possible. We also invited everyone to our next meeting, which was to be held three days later.

Needless to say, our April meeting was a landslide with some fifty people in attendance, and we were more than fortunate in having Mr. Marion Walker, one of the new A.I.S. directors, as our speaker for the evening.

We now have a membership list of thirty-nine paid members, and the promise of many more.

Due chiefly to the efforts of Mrs. Melva O. Moon we already boast of a larger membership than any of the other specialized flower societies, some of which have been in existence for several years in Santa Barbara.

Last month we took another step forward by becoming a branch of the Southern California Iris Society, thus being in closer contact with many of the fine growers and hybridizers out here. A delegation of five from our group attended their June meeting in Pasadena—what a delightful day! Their hospitality was superb, and Eric Neis, their retiring president, introduced us individually at the meeting saying, “we had descended upon them (a branch) like a horde of locust!” Carl Taylor, Clarence White, Mrs. Otto Stuetzel and so many other wonderful iris “knowers” greeted us personally. Never before have I ever been made to feel more at home in a new group of acquaintances. All I can say is that I am most happy that I am an “iris lover,” an A.I.S. member and a S.C.I.S. member.

I feel safe in saying that with our landslide here I am certain that the A.I.S. will benefit too, for most assuredly many of our local members will become members of the A.I.S. as their love and enthusiasm grows.—MRS. NAIDA E. STODDEN, Calif.

EXTENDING THE LOUISIANA IRIS SEASON

For the Louisiana iris addict the bloom season is much too short even though it normally covers a period of

approximately two and a half months, if we include the late blooming *I. foliosa*. Serious hybridizers dream of possible crosses that would produce earlier varieties intolerant of temperature fluctuations that we experience in this area. Such tender early blooming plants would only add to our present distress, as three seasons out of five we are harassed by sudden drops in temperature, which causes stunted terminal blooms and malformed flowers.

It would seem logical that greater use of the type *I. fulva* as a pollen parent in crosses with *I. giganteaerulea* and its hybrids would, in a few generations, produce earlier, more cold tolerant varieties. More intensive use of *I. giganteaerulea* and its hybrids as pollen parents with the late *I. foliosa* fires the imagination with the possibility of a much longer bloom season of large hybrids, plus the hardiness that *I. foliosa* heritage would impart. Also this greater hardiness would enable gardeners in more northern states to enjoy this iris group.

The simple procedure of storing pollen of the precocious *fulva*'s, to be used in crosses with the huge white-pink and yellow hybrids of mid-season, may make our dreams for earlier, more cold tolerant varieties come true. Then saving the pollen of the choice hybrids of our midseason to be used on the latest blooming *foliosas*, *could* eventually extend our season with a greater variation in height, form and color than we now enjoy in the low growing *foliosas*.

I have, the last two seasons, successfully stored pollen from the earlier varieties by the aid of calcium chloride as a hygroscopic agent, using low 2"x2" large mouthed glass bottles, such as used in hospitals for surgical specimens. I placed a small amount of the calcium chloride in the bottle and scraped the pollen from the anthers with a toothpick onto a small piece of wax paper. Then the paper was folded and clasped with a paper clip. This also held the name of the variety. The jar was tightly closed and placed in the refrigerator. I used adhesive tape as a label on each jar

to name the variety therein.

It seems to me that the use of several jars with fewer pollen packs is best. When pollen is saved over a long period of time it is desirable to open the bottles as few times as possible. Also the practice of scraping the pollen from the anthers rather than storing the anthers as gathered is recommended.

These crosses may not produce all that we wish, but yet they are plausible and will produce that exciting anticipation that makes the year fly by for the enthusiastic hybridizer.

—MRS. W. R. MATHEWS, La.

SIBERIAN FAN!

DEAR MR. DOUGLAS—This is really a fan letter to you, plus the Siberian Iris Club reply. I honestly think this Siberian Iris Club idea is one of the most wonderful and most inspirational features found in the whole file of the A.I.S. BULLETINS.

Last summer I made a five month study of Siberian irises from the file of A.I.S. BULLETINS, about thirty eight

catalogues, English yearbooks, all my garden publications since 1934, working on a scrapbook, articles, lists, pictures and the people working with them. At the end of this period I ordered fifty-seven varieties, reordering on a few of the older introductions that I have been growing for years, as I find that they have become terribly confused in a few nurseries.

At the end of that study I decided that there had been very little written considering the years and literature I covered and that only a few people had been seriously working with Siberian irises. This I cannot understand; it is such a desirable iris species.

There are two possibilities that have occurred to me as reasons for lack of interest in this iris as a popular border plant; the most important one being the practice of the dealer in stripping the plant down to one fan when it should be three or five. The other reason is the required period of establishment. If it is stressed it has a tendency to cause the gardener to pass it by, and if it is not stressed enough the gardener receives his one little fan and in a year is disgusted with it and neglects it or abandons it altogether. My experience is that this iris requires this period of establishment more even than the Japanese and I have never been able to overcome that necessity by any cultural method.

I found the most comprehensive lists were the Kellog's from "Over the Garden Wall," Mrs. Thomas Nesmith's lists from way back and Mrs. Schaffer's from Lark Meadows. Also the Kelloggs wrote profusely; simply wonderful articles of comparison and evaluation.

I am ashamed of the length of this letter, yet I know that I am not the only one in this membership that has imposed on you in this way. I am so excited about this new iris section that my pen ran away with me.

Needless to say, my choice on this list will not be the same a year or two from now! I have Mrs. Scheffy's new introductions and if they compare to

HILL--SON

Lafontaine, Kansas

IN IRIS—

- A few charming new Dwarfs.
- The most persistent Re-bloomers.
- The best and most vigorous Tall Bearded.
- Some new Sibericas and Spurias.

Special Collections in each class at modest prices.

Peonies—

Brilliant new hybrids.

Hermerocallis—

Our own new seedlings.

SEND FOR NEW 1950 LIST

her Tunkhannock in size and distinction I will change my list quickly.—MRS. W. R. MATHEWS, La.

IRREGULARITY OF SIGNAL PATCH

It is very distressing to make the discovery that the signal markings on several varieties of Louisiana irises, though always present on the terminal bloom and a few down the stem, may be completely absent on the remaining blossoms.

The signal patch heretofore has always seemed to me to be a very reliable feature in aiding to identify and differentiate the similar varieties. Noting this inconsistency, I realize that henceforth this tendency must be given consideration. After seeing hundreds of varieties and finding a great many showing this trait only two factors seem definite at this time:

1. That this inconsistency in signal markings appears only in varieties having rather insignificant signal pattern, for example—a short lance marking, or two or three lines as a signal patch.
2. That this inconsistency was never observed in varieties having magnificent distinctive signal patches as in varieties: Plum Good (Nelson), The Kahn (Dormon) and Caddo (Trichel).

Because of iris treks to other parts of the state and the general frenzy of the season I was unable to note the possibility of a pattern of occurrence which may be present. For example that only one of the flowers in each of the spathe valves carry the signal marking.

This same inconsistency was noted in three varieties which had beautiful signal markings on all six segments, the terminal bloom and a few down the stem showed six signal patches, the remaining flowers having the normal three with clear petals. Another season I hope to determine which bud in each of the spathe valves carry the double marking and if there is a set pattern.

This observation may seem of little importance to gardeners growing a

small distinctive collection of Louisiana natives, however, the avid fan and hybridizer of this iris realizes the very great similarity of varieties and how easily they may become confused. They may, therefore, be grateful to have this observation of this irregular tendency as an aid in making more accurate identification.—MRS. W. R. MATHEWS, La.

BACTERIAL LEAF BLIGHT

In the last BULLETIN you asked for comments on experience with bacterial leaf blight in iris.

It happened near the end of my first season of growing iris and when I found it I was terror-stricken, because of the suddenness of the onslaught. I had no idea what it was, but I thought that the garden was ruined because I felt that anything that could happen to a few plants so quickly could happen to the whole garden before I could find out what to do, let alone get it done.

It had been a very hot and humid season which was a very unusual kind of weather for us here in Oklahoma. We are used to heat but not to humidity. I went to the far end of the garden with some visitors one evening and found four or five clumps completely gone and there had not been anything unusual about them to attract my attention in the morning. On closer examination I found that several other clumps had the telltale brown spots on the foliage. The next morning I went back and found that these clumps had gone down. I lost no time in calling my State Department of Agriculture and they told me to send them a whole plant—rhizome, foliage and bloomstalk. When they had examined it they called me and told me what it was and their advice was to cut and burn every bit of the infected foliage. So I took my scissors in hand and gave the garden what the children called a "burr haircut," but it took me three weeks to get that green foliage dry enough to burn.

When the new foliage appeared I watched it carefully and when a brown spot showed up I destroyed it. I am still watching for those brown spots and

finding fewer and fewer of them.

I hope that it never happens to another beginner who was frightened as I. It was certainly a relief when the State Department called and said that it was almost never fatal.—MRS. IRIS SMITH, Oklahoma.

RAISE THE ANTE?

So far I have found the BULLETIN very interesting—especially the really informative articles. I'd enjoy reading a good deal more by Drs. Sturtevant and Randolph about definite varieties or groups of varieties. I'd like to see Dr. Mitchell's section for beardless and species iris larger and with more information. There should be more articles like those by Mr. Austin and Mr. Giridlian on the subjects they know best.

What I really mean is, I'd like a bigger BULLETIN with more information; and I think it would be worth raising the yearly dues for it. Sorry friend, you asked for it.—MRS. WILLOH C. WILKES, Calif.

GARDNER SAVE THAT POD!

Here is a suggestion for the much discussed "garden visiting manners." I have found it successful in my own garden for the past two years and others might like to give it a trial. Grenada is a small town, every one knows everyone else, and all my friends know that I dabble in more pies than my time allows me to do well. For two seasons to my great sorrow, after garden visitors left, I found they had helped me clean up old faded blossoms. Many times the tags failed to tell them they were choice crosses. In desperation I looked for a means to save the fruits of my labors and at the same time not be discourteous to my well intentioned friends and garden guests. So I adopted this practice: as soon as feasible after I make a cross I remove both the standards and falls, leaving the style arms exposed. The very fact that these are "different" causes questions to be asked and my crosses are saved. Then too they are not as unsightly as faded, discolored

blossoms. I have found recently that some people use these same "style arms" as exotic "blossoms" for corsages. I have not tried that yet, but I have found the practice of leaving them in the garden saves many seed pods from an untimely demise.—SUE BROWN REVELL, Miss.

REGIONAL PERFORMANCE RATINGS WANTED

I would like to see articles that evaluate the iris as to whether they are able to stand the sun, wind and heavy rains. Also I would like better color descriptions or, better yet, a grouping of the varieties according to color. I read a catalogue description, then order, and find I have bought iris similar to what I have except that they are not sun, wind or rain hardy. I find too that many of the old varieties really are able to take it when a highly rated new introduction can't. I believe that there are many of us in different sections who would like to see such groupings for their regions.—G. R. EVANS, N.C.

PERENNIAL BED-FELLOWS

In my garden I have a sixty foot bed made up of orange-pink iris, lupin, choice huge columbine that I am proud to say are of my own hybridizing, single peonies, and peeking out from behind everything are those tiny johnny-jump-ups each with a different little face. Dwarf irises form the border on the south with a stepping stone pathway five feet wide which is edged with lawn. On the north is a rock wall that edges the sunken garden which is terraced and not very high but has a rare collection of rock garden plants.

Hit Parade is gorgeous with Some Love at her feet and accompanied by pink dictamnus and a huge purple columbine. Premier Peach was blooming in six big clumps. This iris has long been a favorite here but is now far superseded by that wonderful, pure, unfading Pink Sensation.

Among my collection of oncobreds, Oyez is far in the lead of favorites with Brillig a close second. Many people were very disappointed with Butterfly

Wings due to the large heavy foliage and the onco size blooms. It would have been a "must have" for me if its foliage were small and narrow like that of Nelson of Hilly.

A long drift of tectorum alba with a large clump of white dictamnus was

lovely when viewed from the lawn swing when I would stop to rest. Looking back over the garden from this point I plan what changes will be made in the future and my interest in iris as a garden subject is doubly increased.—

MRS. HAZEL SCHMELZER, Wash.

Questions and Answers

1. Do the experts think that the flowers and vitality of a rhizome decrease in the process of dividing and growing again, or is it lack of fertilizer and care?

2. Is it known yet which parent gives the different characteristics to the seedlings? For example color, size, branching etc.?

—MRS. J. H. S., Kansas.

1. Flowers produced in a clump seldom are as large as the flowers produced on a single stalk. We believe that this decrease in size is due to the fact that the nutrients in the soil are exhausted by the mutiple of rhizomes. The center of the clump tends to produce few bloom stalks and for this reason frequent dividing and re-setting is recommended.

2. Little is known about the characteristics imparted by the separate parents. The answer to this question requires much knowledge of genetics. For practical purposes make the cross both ways and if enough seeds are grown the possibilities of the cross will be exhausted to a reasonable extent.

—G. DOUGLAS, Nashville, Tenn.

1. I have read "The Iris" over and over—I have read everything else on culture that I could find. Not once have I found *when* one is supposed to fertilize plants that are growing, have bloomed and are not to be disturbed. According to the symposium they may be fed at planting time but this varies

greatly. Then some say they feed superphosphate before blooming time. But if one wished to help the plants along for new increase, is it to be done just after blooming, or in the fall?

2. What is the best method of treatment of soft rot due to winter damage?
—MRS. LLOYD LEDBETTER, Mississippi

1. Various kinds of fertilizers may be worked into the soil just after growth starts in the spring. Also, remembering that in the south we have a summer dormant season, the same may be done just after growth starts in late summer. Remember that several small applications of fertilizer are better than one large one. Do not over-fertilize in the fall for this will produce lush growth which is subject to winter injury.

2. The best method of treatment of soft rot due to winter damage seems to be as follows:

Cut all foliage to a level of about four inches in height. Remove all bloom-stalks by breaking off at the top of the rhizome. Dig out all rotting rhizomes and expose adjacent rhizomes to the air. In other words, pull the dirt away from them a little bit. If a part of a rhizome is a little bad remove the diseased tissue. (For this purpose I use an old kitchen spoon.) Be careful that all such material is taken away and burned. From here on out various growers use different methods, Mr. Jesse Wills dusts the exposed rhizomes with Semesan.

Personally, I use copper carbonate for this purpose. Also I use a commercial powder known as cupro-jabonite. If the infestation of rot is bad enough sometimes I mix up a cherry red solution of potassium permanganate and water the clumps with a sprinkling pot. I let this dry off and the following day apply the copper carbonate powder. This treatment is usually successful.

The most important thing, I think, is sunshine; get it to the rhizome. As the rot bacillus lives in the surface of the soil I take pains to cultivate around the clumps thoroughly several times so that the sunshine will kill the germs in the soil.

—G. DOUGLAS, Nashville, Tenn.

I am sure that many of our members, like me, are enthusiastic, but plain dubs. Please answer the following questions which should be of interest to many others like myself.

—J. P. B., Memphis, Tenn.

1. What is the best time for resetting iris, and how often should this be done? Should the whole plant be taken up and reset, discarding the rhizomes that have bloomed?

In regions where the growing season is relatively short, and where there is plenty of rainfall, irises may be reset immediately after blooming. In regions of relatively low rainfall, where the summers are long, and where there is usually a dormant season during the hotter months, fall transplanting is best.

It is usually best to take up the whole plant, break up the crowded rhizomes into either "singles" or "doubles" and replant. If the growth shows that the fertility of the ground is spent, fertilize before replanting.

2. Should soil be limed where sour? What soil does iris like best?

Irises will grow in soil that is acid or alkaline. But in my experience more varieties will do well in neutral soil than in either acid or alkaline soil.

3. What is the best fertilizer to use? Bone meal? Sheep manure?

For fertilizing irises I prefer bone

meal and well rotted cow manure to any other types of fertilizer.

4. Are there varieties that do well in partial shade?

Some tall bearded irises will do fairly well in partial shade, but in general bearded irises like sun. There are other TYPES of irises such as the Louisiana beardless, tectorum, etc., which will do well in partial shade.

5. If you would care to make fanatics out of amateurs, explain how hybridization is accomplished.

To answer the above question we quote from *The Iris—An Ideal Hardy Perennial*.

"No iris devotee can hope to realize the fullest pleasure from his delightful hobby until he has made a few crosses and produced a few seedlings of his own. There is something close to paternal pride in the thrill that comes when a seedling of one's own production "makes good" in the world of floriculture, and yet, strangely enough, there are dozens of serious collectors of iris for every one serious hybridizer. The reason for this seems to be that few realize how ridiculously simple it is to make crosses and raise seedlings.

"Really, there is nothing to it. Simply expose the stigmatic lip of the blossom you wish to pollenate by lightly grasping the crest of the style arm between the thumb and forefinger of the left hand, and with the right hand dust or rub the lip with a pollen-covered anther.

"In order not to mutilate the flower the anther is best removed with a pair of eyebrow tweezers. Some breeders prefer to handle the anther throughout the whole operation with the tweezers instead of one's fingers. This is a matter of individual preference.

"In nature the bright colored beard of a bearded iris or the flashy signal patch of a beardless, located on the curved part of the fall, is supposed to attract the bumble-bee. It lights on this colored area and proceeds to crawl into the heart of the flower in search of honey. In doing so the pollen is scraped off on the bee's back by the stigma held over the beard by the style arms. Actually it

seldom works this way. We have bred our flowers into more tightly compacted entities than they were in nature. The style arm more often than not is tightly held against the fall and the bee crawls in from the side. This is one reason for the fact that so few seed are set on iris except by hand pollination.

"Scientists tell us that it is unnecessary to pollinate more than one segment and therefore for the average amateur this is usually enough, but for scientifically controlled crosses further precautions are necessary. One method is to remove the falls of the flower. This takes away the bee's "landing field" and prevents it from causing trouble. Another method is to stake the bloom-stalk and cover the flower for 24 hours with a small bag made of cellophane or muslin tightly tied around the stem to keep out insects.

"With regard to certain kinds of iris such as the Spurias, the Louisiana Hybrids, the Siberians and other beardless types, it is advisable to remove carefully the stamens of the blossoms to be crossed some six to twenty-four hours before it would normally open. This prevents accidental self pollination, for at that stage most beardless iris are highly receptive to fertilization. The cross may be made at the same time.

"If a cross is worth making it is worth recording. A small tag on a string can be tied about the perianth tube below the flower with the cross written on the tag. Some breeders record the cross in a note book under a number and note the number on a tag. This procedure is thoroughly adequate and this number may be carried on with the seed when they are planted and later the same identification number may accompany any of the seedlings that are saved for observation. This provides continuous identification.

"An iris seed pod is sometimes as large and heavy as a small cucumber and it is advisable to tie the stalk securely to a stake to prevent it being broken off by accident. As soon as possible strip the stalk of all excess leaves and branches. This will prevent stem

rot during the ripening period.

"Seed pods of the Louisiana hybrids are especially large and heavy and will bend the flexuous stem to the ground. They may be staked as indicated above or a small piece of wire screen may be twisted about the pod to keep it off the ground and prevent insects and rodents from damaging it. Spurias and Siberians need no staking.

"Harvest the pods of bearded iris as soon as the pod begins to dry and open. Harvest pods of Louisiana Hybrids before they dry and while the cork-like seeds are still soft and moist. Spurias and Siberians should be gathered as soon as the tip of the pod begins to open."

6. Last summer I had a good deal of trouble with rhizomes rotting, coupled with a brown worm about an inch long with many legs, like a centipede. I used arsenate of lead and lime. What causes rot? Too damp? Not enough drainage?

The brown worm (probably a millipede) was undoubtedly attracted by the rotting tissue as rhizome rot is caused by a pathogene known as *bacillus carotovorus*. This germ is present in most soils and under certain conditions will attack the iris rhizome. In this climate (Tennessee) rot usually follows late freezes and the condition is augmented by excessive heat and humidity. Good drainage and sunshine will help to stop an infection. Copper sulfate and mercurous chloride will aid in destroying the bacillus.

7. Name twelve choice varieties for small back yard space.

Your editor could lose his job for this, for there are twelve on the Board of Directors and all are hybridizers! However, since you said "choice" mine is as good a bet as any: Blue Rhythm, Violet Symphony, Gold Sovereign, Amandine, Pink Cameo, Dreamcastle, Master Charles, Golden Russet, New Snow, Chivalry, Cascade Splendor and Azure Skies.

We would like to report an unusual experience which we had with some of

our iris bloom this spring.

As a control measure for possible borer invasion, we dusted our planting with the DDT, Fermate and sulfur combination recommended in the Handbook, using only one application. About ten days after the dust was applied we noticed some blackening of the tips of the developing growth, but did not regard it seriously. However, when the first blossoms opened, some of them were almost unrecognizable — some being discolored with strange blue-green spots, streaks and edgings and others being shriveled and misshapen. The worst discoloration appeared on the bronze and red varieties such as Spring Chimes, Robinwood, Ned LeFevre and Stardom (this one was positively tarnished!).

The distortion was most noticed in Sable, Starless Night, Red Gleam, etc. The yellows and whites were least affected, but the blues were made bluer, particularly around the style arms, and Melanie was so terrible that we picked off every bloom as fast as it appeared so no one would see it.

In some varieties the trouble cleared up in the latter buds but others remained damaged to the last.

Have you ever had this report from other growers? At the time the dust was applied, there was no developing bloom stalk visible. All of the damage occurred in first year plants and although the same material was used a few days later on a two-year old planting, there was no noticeable effect beyond a little leaf discoloration.

We are puzzled to know if the dust was responsible or if a soil condition is to blame. Would the fact that we had no rain for about three weeks after the dust was applied be a contributing factor? We are relatively new iris growers and have never used the dust in previous years.

—MR. & MRS. CARL R. BACON, Mich.

There is nothing connected with DDT, Fermate or sulfur which should have caused the condition described above. The question that comes to mind im-

mediately is this: Was it possible that by some chance 24D or some such selective weed killer could have gotten on the iris foliage? This could have happened if some neighbor was treating a lawn, for wind drift will carry the fog from a spray several hundred feet.

24D will cause distorted and discolored flowers even though the plant is not killed.

—GEDDES DOUGLAS, Nashville, Tenn.

1. In listing parentage is there any rule as to which goes first—pod parent or pollen parent?

2. In seedlings is there any noticeable favoring of characteristics toward the pollen or pod parent?

3. When a breeder has an iris introduced does the dealer buy outright for a certain sum the crop that he plans to raise for sale, or do the breeder and dealer go on percentage of sales, or how is it done?

4. How do the various dealers get together so closely on the prices that irises are offered for? It is pleasant for the buyer not to feel that she has to worry that dealer "A" is charging her more than dealer "B."

—ERNA BERT NELSON, Spokane, Wash.

1. In listing parentages the rule is to place the pod parent first and the pollen parent second.

2. Some of the older breeders had very definite ideas about characteristics being inherited from one parent or the other. Personally, I never have been able to see any particular trend. If you are interested in this write to Dr. L. F. Randolph, College of Agriculture, Cornell University, Ithaca, New York. Ask him to suggest some reading matter on the subject.

3. Iris breeders have different ways of doing business with various dealers. Frequently a new introduction is bought outright for a certain sum. More often, however, a dealer will introduce an iris for the breeder on a percentage basis. This is the arrangement I have with the Fairmount Gardens, Lowell, Massachusetts.

4. The dealers do not actually get together on the prices, but here is what they do. Each dealer each year determines the price of the iris that particular dealer has introduced in the past. A list of the irises and the prices is mailed out to other dealers and as a matter of courtesy the dealers do not undersell each other.

—GEDDES DOUGLAS, Nashville, Tenn.

Is it advisable to use a mulch for iris? I wonder if it would be possible to tuck a mulch around other plants and push it back from the iris—

—MRS. L. BOYER, Missouri

I do not think it is advisable to put a mulch around a bearded iris. If you mulch perennials that are close to the iris just see to it that the mulch is pulled back away from the iris rhizomes. Iris seem to enjoy sunshine and dryness. Sunshine seems to keep out the fungus germs that cause mustard rot.

Other types of iris besides the Tall Bearded are helped by the use of a mulch—Siberians, Louisianas and various species such as Virginica, pseudacorus, these can all be mulched with success.

—G. DOUGLAS, Nashville, Tenn.

At a recent show judges wanted to give the blue ribbon to an iris that had one large (the second) bloom which was very good, but the bloom above it—the terminal, or first bloom, was in a very decayed condition and had stuck to the top of the bloom half covering it. Some of the judges contended that the spent bloom should have been removed. Can you tell us which of the judges were right?

—MRS. CLIFFORD, Miss.

I think that I would answer that judging question by handling it this way: If a decayed bloom was left on the stalk, obviously this bloom was in a terrible condition and I would have knocked off all of the points usually given for condition. In some scales this is twenty-five points and in others thirty.

If the spent blossom is skillfully removed so that I do not notice it, I would deduct nothing. If the spent blossom has been removed in a clumsy fashion then I would deduct ten points.

Some of the judges have the idea that to remove a spent blossom disqualifies the stalk. I do not hold with this view. I believe that you merely should deduct a certain amount from condition, for otherwise you have very few stalks in an iris show, due to the fact that iris come into bloom after a long period of time and it is impossible to set the show date exactly when most of the varieties would come into bloom.

—G. DOUGLAS, Nashville, Tenn.

Please recommend a spray for borers.

—ORVILLE M. BAKER, Kansas.

S P R A Y

For 20 gallon sprayer:

20 gal. water

8 oz. by weight of 50% wettable D.D.T.

5 tablespoonsful Phygon

1½ teaspoonsful (in 2 oz. water)

Sticker spreader

About mid April mulch material except vermiculate is removed. All dead leaves are also removed and burned. Rhizomes are inspected and if rot is found, the rhizome is cut out and the hole is filled with sand. As soon as

WARNER
IRIS GARDENS
Growers of Fine Irises
BOX B,
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IRIS • PEONIES

Hemerocallis, Poppies, Mums, Bulbs
Large Collection—Color Catalog Free

C. F. WASSENBERG
VAN WERT, OHIO

growth starts a surface application of commercial fertilizer and wood ashes is cultivated into the soil together with vermiculate where it has been used as a mulch.

Throughout the season any dead leaves are promptly removed and burned to control leaf spot. Phygon is used in the spray material as a control for leaf spot.

—DR. IRVING W. FRAIM, Massachusetts

1. Will you kindly recommend me a "complete fertilizer" as mentioned in the publication "The Iris." How about Hyponex?

2. Please supply me with the names of dealers in Japanese iris. The varieties that I wish to get are Hercule, Light in the Opal and Nishiki-Yama (Mountain Brocade).

—KARL VON SCHLIEDER, Colorado.

1. I am not familiar with Hyponex but a potato fertilizer such as 3-9-6 is often used for irises. In areas of heavy rainfall some prefer 0-12-12. This is for bearded iris.

2. We would advise you to contact Mr. Walter Payne, Payne's Landscape Nursery, Rural Route 3, Terre Haute, Indiana and Mr. Walter Marx, Marx Iris Gardens, Boring, Oregon. They will be able to give you a catalogue of the Japanese iris they have in stock.

—G. DOUGLAS, Tennessee.

1. Please explain to me how to read the parentage as given in the Check List. Which is the pod parent? Which is the pollen parent? etc.

2. Why can a bloom not be crossed by three different pollens and get a "Joseph's coat" result?

3. Does the date 1939 on the Check List mean that there are no parentages given after that year?

—MRS. E. M. McCUTCHAN, Arizona.

1. Let us take Berkeley Gold as an illustration to show you how to read the Check List.

Berkley Gold=

(Radiant) x (Happy Gift x Natoma)

The pod parent of Berkeley Gold was Radiant. Radiant was crossed with the

pollen of a seedling which resulted from the cross of Happy Gift x Natoma. In this cross Happy Gift was the pod parent, Natoma was the pollen parent. Just remember that the pod parent always comes first and the pollen parent second, and when two irises are enclosed in parenthesis it means that a seedling resulting from that cross was used as a parent.

2. Without going into a long genetical discussion let me say that one pollination is sufficient to fertilize an iris blossom. Once fertilized nature seals off the ovary so that no other germ cell can enter, therefore, there is no danger of three different pollens and "Joseph's coat" resulting. This means of course that you have to beat the bee to be sure of a cross. It is also interesting that pollen need be applied to only one stigma and all three sides of the seed pod will be fertilized.

3. In 1939 the Society published a book listing the names of some 19,000 iris with all pertinent information. This is called the 1939 Check List. In 1942 a Supplement was published containing the names and pertinent information of all registrations and introductions to and including 1942. Since 1942 the registrations have been published yearly in the BULLETIN of the A.I.S. Compilation of these registrations is in the process of being made at the present time and will be available to our membership around the first of the year.

—G. DOUGLAS, Tenn.

Please publish more information on "scorch," for it seemed to be general this last season. I had four or five plants effected; the first time I ever had seen it here and others in this region had the same trouble.

I treated the rhizomes with permanganate also Semisan and let them dry out for about two weeks, but they died anyhow.

We had so much ice and snow that remained on the ground for so long last winter I wonder could that have caused scorch to effect the plants?

—MRS. FRANCIS JESSEPH, Okla.

1. One morning I found one of my healthiest iris clumps ruined. The foliage looked as if a hot fire had been run over it, every leaf was wilted and brown—what could this be?

2. How do you feed or fertilize the iris clumps after they are already established, say the second year, and can manure be used if it is well rotted?

3. What causes some of the good iris to revert back to the common ordinary type after a few years and how can this be avoided?

—MRS. H. L. SIMONTON, Texas.

1. The disease described is one known as "scorch." Scorch is a disease of the roots. Something happens to them and they wither away right up to the rhizomes themselves. Since, without roots the plant has no way of getting food or moisture the leaves immediately wither and turn brown.

As far as we know no one knows what the cause of "scorch" is. There is no treatment for it and most people do one of two things. They either dig up the plant and burn it or they dig the plant up trim off the foliage and remaining roots and allow the rhizomes to thoroughly dry out for about two weeks. This is best done in the shade but not where it is damp and moist. Sometimes upon replanting the rhizomes will send out new growth and regain their former strength.

2. Yes, well rotted manure may be worked into the top of the soil, especially during the dry season. Also established clumps may be fed limited amounts of super-phosphate, gypsum or any of the so-called potato fertilizers. These are fertilizers that are low in nitrogen. Here in Tennessee the one usually sold is 3-9-6. I have also used 0-12-12 and 0-9-6.

3. Iris do not revert back to the common type. Once a variety has been created the rhizome of that variety will always be the same and produce the same flowers. What happens in the cases that you refer to is this—rhizome rot is prevalent in Louisiana and Texas.

Usually, the common blue flag is planted around, in, or among iris plantings, the new varieties succumb to the rot and the old blue flag persists. The next year at blooming time since nothing but blues are there people believe that all the varieties have reverted.

We have had this same question to come where the old blue, which is known as *germanica*, has been planted with the white species, known as *albicans*. *Albicans* is very rot resistant, even more so than the blue, and frequently, the blue one will disappear and leave only the *albicans*. You may be sure that once a variety is created it will never change.

—G. DOUGLAS, Tenn.

1. What effect will the presence of nematodes in the soil have on iris rhizomes?

2. Is there any means of controlling nematodes other than chemical treatment of the soil?

—RAYMOND L. BARRON, Tenn.

Unfortunately I have not had any experience growing iris or controlling nematodes either. However, as a merchandiser of insecticides, Mr. Douglas felt that I might have more information readily available than the average grower and it is from this information that I answer your questions.

The problem of nematodes, if a problem, has not been gone into in this locality by the man in the field. The Tennessee Extension Service has been working with the chemicals used to control this worm namely: Shell's D.D., Dow's Dowfume 40, and M.C. 2. Mr. Roy Milton, the tobacco specialist reports that a heavy infestation of nematodes would cut the growth of tobacco one half and the growth of vegetables as much as three-fourths. Since the root knot nematode is particularly destructive to sweet potatoes, Irish potatoes and carrots, I feel that it would be equally destructive to iris especially in the growth and flowering of the plant.

I cannot find any suggestion as to a means of controlling nematodes after

the crop is planted. Most of the recommendations for chemical treatment specifically state that the treatment should not be applied around the roots of living plants. In some cases it is possible that this will do no harm and may even be beneficial, but results cannot be predicted. Even experiments on living trees should be made with awareness of the possibility that the trees may be killed. Such experiments should be done cautiously, using a maximum rate of two cubic centimeters (about one third teaspoon) of Shell's D.D. or Dow's Dowfume W 40 per square foot of soil and preferably when the plant is dormant. If you should care to sacrifice a row of iris for a good cause, here is your chance to work the problem out to your own satisfaction.

The economic aspects of soil fumigation depend upon such factors as the value of the soil, the value of the crop to be grown, the severity of the pest infestation, and the growth response of the crop. Treating with Shell's D.D., for instance, would cost about \$33.00 per acre plus labor and application equipment. Soil conditions at the time of application are most important. The ground should be worked to a depth of at least eight inches and should be

clod-free throughout. Moisture should be such that planted seeds would easily germinate. The soil temperature should not be less than 40 degrees F. and there should be no trash in the soil.

If I were planting a new plot which was infested, I would take the recommendation of the Extension Service for control before setting the iris. They suggest that the land be put in one of the following crops the season before setting namely: Brabham Peas, Crotalaria, Peanuts, Corn, Grasses or Oats. They have also found that a crop of certain weeds such as cockleburrs or muletail weed, reduces materially the worms in the soil.

I have not discussed the newest thing in soil fumigation and that is Dow's MC2 treatment which is a pressurized bottle containing 98% Methyl Bromide and 2% Chloropicrin. This gas is applied under a plastic cover when the soil temperature is above 60 degrees. In addition to nematodes this treatment controls insects, damping off organisms, the sclerotia (resting bodies) of sclerotinia rot, stotens of quack grass and Johnson grass, and all weed and grass seed. This method should be just the thing for plant beds.

—ERNEST HARDISON, Nashville, Tenn.

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In Memoriam

**Lt. Col. E. J. Wadley, C. B. E.,
D. S.O., M.R.C.V.S.**

When Colonel Wadley passed on on the 1st of April, South Africa lost one of her grand old men of floriculture. We know that his military citations were won for conspicuous actions in the field of war, but we remember him best for his conspicuous successes in the fields of that most peaceful of occupations—gardening.

He grew many flowers with conspicuous success, but in latter years he gave all his attention to growing lovely tall bearded iris and it was in this connection that we became friends.

What always struck me most

about Colonel Wadley was his desire to “put iris on the map” and he dedicated his energies to the service of this rainbow flower. The commercial aspect of growing iris was forgotten in his enthusiasm to popularize his favourite.

Among the many awards he won in his lifetime, I think the one which gave him most pleasure was the Gold Medal Diploma which he earned with his exquisite display of iris at the Transvaal Horticultural Society's Spring Show in the Johannesburg City Hall in October, 1949.

We grieve the passing of an outstanding Soldier, Sportsman, Gardener and Friend.

—FRIEDA BOSHOF-MOSTERT,
S. Africa

Mr. W. G. Wolfe, of Frisco, Texas, died suddenly at his home on May 17, 1950, at the age of eighty-three years.

His gardens were a show place for this part of the country. For iris fans and lovers of beauty a visit with Mr. Wolfe was always a pleasure for his knowledge, love and interest in flowers was unlimited.

He had issued catalogues the last few years and his introductions for 1949 were Faeries Dance, Alta Texas and Lighted Candles. He had made many crosses this spring in the hopes of developing something new in pinks and browns.

Mr. Wolfe will be sadly missed.

—MRS. CLAUDE ROGERS,
Frisco, Texas

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